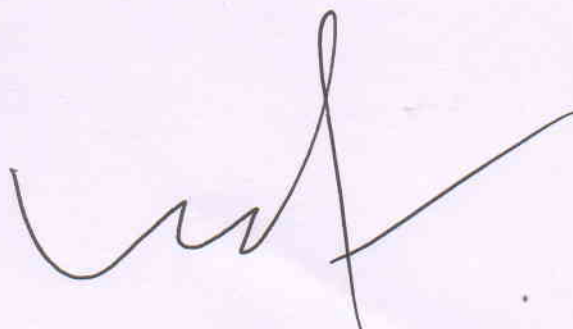


**Nirma University**  
Institute of Architecture and Planning

**Syllabus for PhD in Architecture Admissions Entrance Test (Year 2020)**

**Research Methodology Syllabus (50%)**

1. Literature review
2. Logical argument formation – Deductive and Inductive Logic
3. Research design for systematic inquiry
  - Research Paradigms – positivist and interpretivist
  - Research Questions and objectives
  - Hypothesis
4. Research methods
  - Historical research
  - Qualitative research
    - Ethnography
    - Grounded Theory Approach
    - Case studies
  - Experimental research (Action research)
  - Simulation research
  - Correlational research (Quantitative)
  - Mixed Methods research
5. Tools and techniques
  - Primary and secondary data
  - Data collection
    - Surveys
    - Interviews
    - Visual Observation
      - Documenting Artefacts
      - Spatial and visual mapping
      - Activity Mapping
    - Archives
    - Content Analysis



NIRMA UNIVERSITY	
(Ph. D. Section)	
INWARD	
No.	1533
Date	07/02/2020
Sign.	Shanup

### **Bibliography:**

- Groat, Linda & Wang, David (2013) *Architectural Research Methods*; Wiley Publications
- Kumar, Ranjit (2010) *Research Methodology: a step-by-step guide for beginners*; Sage Publications

### **Core Syllabus (50%)**

1. Architectural History, Art and Aesthetics, Heritage Conservation
2. Philosophy of Architecture, Contemporary Theory – Modernism, Structuralism, Postmodernism, Critical Regionalism, Phenomenology
3. Housing Studies, Vernacular housing, Climatology, Building typology
4. Environmental Design, Built and Natural Environment, Landscape Ecology, Site Planning, Environment Behaviour Studies
5. Building Systems, Construction and Technology, Services, Disaster Risk Reduction in Built Environment, Energy efficiency in buildings, Green Building rating systems
6. History of Urban Planning, Urban Design, New urbanism, Social production of space

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke extending to the right.