

Proposal for announcing seat under the Institute Internship Program

1. **Name of faculty member proposing:** Dr. Nand Kumar
2. **Department/Centre:** Department of Architecture and Planning
3. **Topic on which work is proposed:** Preparation of Sikar Master Plan
4. **Preferred period of internship (after May 20th):** Between 20 May 2024 to 20 July 2024
5. **Qualification of student (branch/semester of study):** Bachelors in Planning (B.Plan) or Post graduate (Masters) qualification in Urban Planning / Environmental Planning / Transportation Planning or related disciplines from a reputed university/institute.

6. **Brief description of work (300-500 words):**

The internship proposed by Dr. Nand Kumar from the Department of Architecture and Planning focuses on the preparation of the Sikar Master Plan. Sikar, a rapidly growing city in Rajasthan, requires a comprehensive master plan to guide its sustainable development and address its evolving urban challenges. The intern will be tasked with assisting in various aspects of the master planning process, under the guidance of Dr. Kumar and other experts. The work will involve conducting research and analysis to understand the current socio-economic, environmental, and infrastructure conditions in Sikar. This includes collecting data on population trends, land use patterns, transportation networks, infrastructure facilities, and environmental factors. The intern will also participate in stakeholder consultations to gather inputs from local residents, businesses, government officials, and other relevant stakeholders.

Based on the research findings and stakeholder inputs, the intern will contribute to the formulation of goals, objectives, and strategies for the Sikar Master Plan. This may involve identifying priority areas for development, proposing land use zoning regulations, designing transportation networks, and recommending measures for environmental conservation and sustainable resource management. Additionally, the intern will assist in the preparation of maps, diagrams, and other visual aids to illustrate the proposed master plan. They will also contribute to the drafting of reports, presentations, and other communication materials to document the planning process and outcomes.

Overall, the internship offers a hands-on learning experience in urban planning, allowing the student to apply theoretical knowledge to real-world urban development challenges. By participating in the preparation of the Sikar Master Plan, the intern will gain valuable skills in research, analysis, stakeholder engagement, and plan formulation, preparing them for future careers in urban planning and development.

7. Expected learning of student (upto 100 words):

The internship offers an excellent opportunity for students to gain practical experience in urban planning and development. Through hands-on involvement in the preparation of the Sikar Master Plan, students will develop a deeper understanding of urban planning principles, methodologies, and techniques. They will enhance their research and analytical skills by collecting and analyzing data on various urban factors. Additionally, students will improve their communication and teamwork abilities through stakeholder consultations and collaborative work with experts. Overall, the internship will equip students with valuable skills and insights essential for addressing real-world urban challenges and pursuing successful careers in urban planning and related fields.

8. Nature of work: (Experimental/simulation/mathematical modelling/data collection-analysis etc.): upto 50 words

The nature of work involves a blend of research, analysis, and practical planning tasks. Students will engage in data collection and analysis, GIS mapping, stakeholder consultations, and documentation. They will also participate in drafting sections of the Sikar Master Plan and conducting field surveys to assess urban infrastructure and land use patterns.

9. If the seat is under project sponsored category: Yes

- a) If yes, number of seats announced: 5
- b) Name and ID no. of project from which stipend is chargeable



Signature of faculty member

Department of Architecture and Planning

Name of department/Centre

Note:

- a) Proposing faculty member needs to be available at the Institute during the period internship is offered
- b) No extra space or funding than the stipend will be provided by the institute for this purpose