

INTELLECTUAL PROPERTY RIGHT (IPR) POLICY, 2019 – SPA VIJAYAWADA

(Policy Note - Draft)



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School of Planning and Architecture, Vijayawada constantly envisage placing itself at the highest pedestals of academic and research in field of Architecture and Planning through facilitating robust research eco-system and promoting the culture of innovation. Today, Intellectual property (IP) plays an imperative role in creating, preserving and commercializing the intellectual outcome of an Institute. The draft Intellectual Property Rights (IPR) Policy Note, 2019 of the School is aimed at creating awareness, possible areas of IP generation with the works being carried-out by the faculties and researchers at School. This document highlights the vision, mission, and strengths of the departments within the institute for inculcating the idea of new thinking, innovation etc. Further, the documents suggest some of the implementation strategy for cultivating the culture of IPR in research and teachings at SPA Vijayawada. The IPR policy of SPA Vijayawada is framed with a vision to be a leading institute in the country that provides a transformative education for creating leaders and innovators, and generates new knowledge for society and industry within the broader domains of architecture and planning.

VISION

The IPR policy of SPA Vijayawada aims at creating robust research eco-system with an ambience in which new ideas, research and scholarship flourish, and from which the new ideas and innovators of tomorrow emerge, by closely working with the strengths of both the departments i.e. Department of Architecture and Department of Planning. The research work carried out by the faculty at the department shall address the problems faced by the region, nation and the world at large. The undergraduate, post-graduate and PhD programs offered at both the departments provide education and research environment that helps in conducting cutting-edge research by understanding the needs of the society and industry. Strong industry-academia interaction is facilitated at the SPA Vijayawada in the form of MoU's with various national institutes, regional partners and industries to strengthen the education and research ecosystem at SPA Vijayawada.

IMPLEMENTATION OF IPR POLICY AT SPA VIJAYAWADA

The faculties of SPA Vijayawada are expertise in Architecture, Sustainable Development, Landscape, Energy Studies, Urban Studies, Product Design, Conservation, Urban Planning, Environmental Planning and Transportation Planning with inherent interest for developing problem based solutions and technologies at building/neighborhood/city/regional scale. Given the background and multidisciplinary nature of faculties' research interest, innovative ideas, creative art works, architectural designs, models and products addressing the current societal problems shall be developed. Further, tools and techniques to understand, model and accurately predict comfort, energy demand, cooling islands created by trees & water bodies, population growth, change of land use, migration flows, population displacements, urban flooding and disaster related phenomenon shall be developed. 3D Visualisation tools through augmented reality and GIS applications shall be developed for heritage or monument sites, neighborhood and city. Decision support tool in terms of performance of material, planting design, energy efficiency at building and neighborhood scale shall be developed. Further, decision support tools for assessing and managing the new infrastructure in the urban extension areas, intelligent transportation support system shall also be developed. These innovations and technological solutions shall improve the scientific temperament in teaching learning at SPA Vijayawada, and these innovations shall have a significant impact on knowledge, society, the economy, and individuals with significant commercial and scientific value.

STRATEGIC IMPLEMENTATION OF IPR CULTURE

The culture of innovation and IPR at SPA Vijayawada shall be inculcated in the minds of the researchers and faculties through series of workshops and training programs at institute level in coming months, on the following themes,

1. Design Thinking and Innovation in Architecture Design Studios
2. IPR in Architecture and Planning
3. Research Methods in Architecture and Planning
4. Research Proposal Writing and Funding Agencies
5. Interdisciplinary Conferences, Symposium and Workshop
6. Faculty Development Programs for Faculties
7. Industry Academia Interaction for Joint Research Projects

Further, IPR Cell shall be created for assisting the researchers and faculties in all the aspects of IPR, including assistance in filing of IP, design registration, documentation process etc. Apart from school level initiatives, essential training and capacity building programs for the faculties and researchers is proposed to expand the multidisciplinary approach in research and innovation, through various faculty specific development programs which includes training on latest software applications, computation techniques, quantitative and experimental research techniques etc. Further, faculties are encouraged to collaborate with other institutions of repute at national and international level for research projects.

LABS & LABORATORY DRIVEN RESEARCH AND INNOVATION

At SPA Vijayawada state-of-the-art laboratories have been created and is in continuous up-gradation to facilitate the students, researchers and the faculties to conceptualize, preserve, document and experiment their ideas for possible IP generation in the form of copyright and patents in art work, sculptors, architectural designs, spatial organization, representation techniques, graphics, joinery details using the labs such as art lab, model making and carpentry lab etc. Traditional and indigenous knowledge mapping, new eco-friendly materials, alternative materials and technologies are encouraged to be developed in building material & construction lab, conservation lab, and material testing lab. Cost-effective, disaster resistance structures and materials shall be experimented at Structures lab/ Material Testing Lab & Survey Lab and Building Construction Yard. Geographical indications, context and problem based innovative solutions for climate, energy, acoustic; landscape and transport etc are encouraged to be taken up at Environmental Lab, Climatology/ Energy Studies/ Acoustic Lab, Transportation Lab and Landscape Lab. Further, integration of labs and laboratories with planning and design studios are to be taken up for effective dissemination of knowledge amongst the students, researchers and faculties, and also for development of new technologies for addressing the current problems.