

School of Planning and Architecture Vijayawada

(An Institute of National Importance, MoE, Govt. of India)

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Department of Architecture

Report Submission

- Research Paper Titled: **“Revitalizing heritage hotel of Rajasthan, India to reduce operational energy demand”**
- Presented in: The International Conference on Architecture and Landscape Planning Applications (ICALPA - 24) held on 5th – 6th February, 2024 at Dubai, UAE
- Organised by: The International Institute of Education, Research and Development (IIERD)



- Presented by: Dr. Amitava Sarkar
Associate Professor,
Department of Architecture

Acknowledgement

I want to convey my thankfulness to the Institute and Ar. Dr. Amogh Kumar Gupta, Honourable Chairperson, Board of Governors - SPA Vijayawada, and Prof. Dr. Ramesh Srikonda, Honourable Director, SPA Vijayawada for allowing me to attend the International Conference ICALPA - 24 held during 5 - 6 February, 2024 at Dubai, UAE. The exposure, experience, and knowledge I gained during my participation and presentation will be very valuable components for my future academic and research career development.

Yours Sincerely,

Dr. Amitava Sarkar



View of Burj Khalifa - the world's tallest building

The Report:

The International Institute of Education, Research and Development (IIERD) has conducted the International Conference on Architecture and Landscape Planning Applications (ICALPA - 24) on 5th – 6th February, 2024 at Dubai, UAE.

The ICALPA - 24 Conference gathered leading experts, professionals, academicians, and practitioners from the field Architecture and Landscape design and planning. This event served as a vital platform for a diverse international community comprising architects, researchers, urban planners, landscape architects, designers, and policymakers to acquire knowledge, learn, and improve. Moreover, the event has given an insight into the advancements and recent trends in Architecture and Landscape Planning Applications.

Dr. Amitava Sarkar has presented a paper titled “Revitalizing heritage hotel of Rajasthan, India to reduce operational energy demand” on 5th February, 2024 in the ICALPA – 24 Conference. This paper investigates the potential options to reduce the operational energy demand of the heritage hotels in Rajasthan, India. The research further attempts to study the energy usage patterns of a heritage hotel building located in composite climate and to explore various traditional passive strategies that help in providing comfortable conditions to the inhabitants.



Certificate of participation



Panoramic view of Dubai city from Burj Khalifa – the world’s tallest building

The conference featured inspiring keynote speeches by renowned experts covering diverse topics such as “Exploring the Intersection of Iranian Urban Cinema”, “Facilitating the Participation of Students with Autism in the Process of Virtual Reality Courses and Brainwave Activities: A Case Study of Elementary School Students in Taiwan”, “Site selection based on Geographical Information System approach for potential land filling areas in Kocaeli, Turkey”, “Mobile Navigation System for Business Travel Using Beacon Devices’, etc. The exposure, experience, and knowledge I gained during my participation and presentation in the ICALPA – 24 Conference will give positive boost to my future academic and research career development.

I wish to thank the Institute once again for the kind support.

Jai Hind!

Dr. Amitava Sarkar