KING SALMAN INTERNATIONAL UNIVERSITY

KSIU

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FACULTY OF ARCHITECTURE

"Ecolodge Design in Coastal Cities" Workshop
SHARM EL SHIEKH – SEPTEMBER 2024

INTRODUCTION

The Eco-Tourism Architecture Workshop in Sharm El Sheikh, Egypt, aims to bring together participants from diverse cultural backgrounds, expertise, skills, and levels of study to explore the intersection of architecture and eco-tourism in Egypt. Hosted by the Faculty of Architecture at KSIU University, this workshop offers a unique opportunity to engage in a collaborative and immersive learning experience.

Throughout the workshop, participants will have opportunities for networking, cultural excursions, and informal discussions with fellow participants, experts, and professionals in the field of eco-tourism architecture. The aim is to foster a collaborative and immersive learning environment that encourages knowledge sharing and the development of innovative ideas in sustainable design and eco-tourism.

Throughout the workshop, participants will work in teams, consisting of 3 members from Mediterranean students, and 3 host students from local universities, and these three students will have one from KSIU. These teams will engage in intensive teamwork meetings, assignments, and presentations, guided by the workshop's schedule. The workshop includes study trips to NABQ Reserve and the Great Transfiguration Project in Saint Catherine, providing participants with practical exposure to real-world eco-tourism sites.

Themes:

- **Eco-Tourism Application - Architecture Practice in the Mediterranean Region:**

In this theme, participants will delve into applying eco-tourism principles in architecture in Egypt and the Mediterranean region. Through lectures and discussions led by experts in the field, participants will explore sustainable design practices, ecological considerations, and the socio-cultural impact of eco-tourism architecture. The aim is to understand this region's specific challenges and opportunities and develop innovative design approaches that harmonize with the natural environment and local communities.

- **Ecolodge Design and Touristic Impact in the Mediterranean Region:**

This theme focuses on the design of ecolodges and their role in promoting sustainable tourism in Egypt. Participants will learn about the principles of ecolodge design, including energy efficiency, waste management, and cultural preservation. Through case studies and interactive seminars, participants will gain insights into the environmental and socio-economic benefits of ecolodges, and the challenges involved in their implementation. The goal is to foster a deep understanding of how architecture can contribute to the preservation of natural resources and local heritage while providing unique and authentic experiences for tourists.

Workshop Structure:

- **Simulating current situation _ theme 1 integration**

Simulating the Current Situation and Integration in Theme 1: Eco-Tourism Application - Architecture Practice in Egypt and the Mediterranean Region

In the Eco-Tourism Architecture Workshop, the participants will be able to simulate and analyze the current situation about eco-tourism architecture in Egypt and the Mediterranean region. This phase aims to comprehensively understand the existing challenges, opportunities, and the socio-cultural

impact of eco-tourism architecture in the area. Simulating the current situation involves studying the environmental, economic, and cultural factors that influence the practice of eco-tourism architecture. This can be achieved through various activities and methods, including:

Field Visits and Site Analysis:
Participants may visit existing eco-tourism sites, architectural projects, or natural landscapes in Egypt and the Mediterranean region. These visits allow them to observe and assess the integration of eco-tourism principles in architecture. They can study the design elements, materials, and technologies used in these projects and their impact on the surrounding environment and communities. Through site analysis, participants can identify the successes and shortcomings of these projects and gain insights into their design approaches.

Data Collection and Research:
Participants can collect relevant data and research to understand the current eco-tourism architecture in Egypt and the Mediterranean region. This may involve gathering information on existing eco-tourism initiatives, policies, regulations, and the local cultural context. Participants can explore the challenges architects and designers face in implementing sustainable design practices and identify the factors that hinder or support the integration of eco-tourism principles.

Expert Presentations and Panel Discussions:
Experts in the field of eco-tourism architecture can deliver presentations and engage in panel discussions to share their experiences, insights, and best practices. They can highlight successful case studies, showcase innovative design approaches, and discuss the socio-cultural impact of eco-tourism architecture. Through these interactions, participants can gain valuable knowledge and engage in critical discussions about the current state of eco-tourism architecture in Egypt and the Mediterranean region.

Workshops and Design Charrettes:
Participants can engage in workshops and design charrettes that simulate real-life scenarios and challenges faced by architects in integrating eco-tourism principles. These activities can involve group exercises, brainstorming sessions, and design simulations where participants collaborate to develop design solutions that address the specific challenges of the region. By simulating the current situation, participants gain practical experience and insights into the complexities of eco-tourism architecture in Egypt and the Mediterranean region.

Through the simulation of the current situation, participants in Theme 1 of the workshop gain a deeper understanding of the existing context and challenges in applying eco-tourism principles in architecture. This knowledge serves as a foundation for the subsequent phases of the workshop, where participants can develop innovative design approaches that harmonize with the natural environment, respect local cultures, and promote sustainable tourism in Egypt and the Mediterranean region.

- Covert Infiltration _ theme 2 applications

In the context of the Eco-Tourism Architecture Workshop's Theme 2, "Ecolodge Design and Touristic Impact in Egypt," the concept of covert infiltration refers to the strategic integration of sustainable design principles and eco-tourism practices into the planning and development of ecolodges in Egypt.

Covert infiltration involves incorporating environmentally friendly and socially responsible elements seamlessly into the design and operation of ecolodges, without compromising the overall guest experience or sacrificing the economic viability of the project. This approach aims to create

ecolodges that not only provide unique and authentic experiences for tourists but also minimize their ecological footprint and contribute positively to the local communities and natural environment.

Key aspects related to covert infiltration in ecolodge design and its touristic impact in Egypt:

Sustainable Design Integration:
Covert infiltration entails integrating sustainable design features into various aspects of ecolodge development. This includes careful site selection to minimize ecological disruption, utilizing renewable energy sources such as solar panels and wind turbines, implementing efficient waste management systems, and incorporating natural ventilation and lighting techniques. The goal is to create ecolodges that are energy-efficient, environmentally sensitive, and harmonious with the surrounding ecosystem.

Cultural Preservation:
Covert infiltration also involves respecting and preserving the cultural heritage of the local communities in Egypt. Ecolodges can be designed to reflect the architectural styles, traditional craftsmanship, and cultural narratives of the region. By incorporating elements of local culture, ecolodges can provide an authentic experience for tourists while supporting the preservation of cultural identity and heritage.

Socio-Economic Benefits:
Covert infiltration considers the socio-economic impact of ecolodges on local communities. It aims to maximize the positive effects by creating employment opportunities for the local workforce, supporting local businesses and suppliers, and fostering community engagement and empowerment. Ecolodges can serve as catalysts for economic growth and social development while promoting sustainable tourism practices.

Education and Awareness:
Covert infiltration recognizes the importance of education and awareness in promoting sustainable practices among tourists and staff. Ecolodges can incorporate educational programs, workshops, and interpretive displays to raise awareness about environmental conservation, cultural appreciation, and responsible tourism. By providing opportunities for learning and engagement, the user experience in ecotourism becomes a responsible and long-life activity. Through engagement with local communities and supporting their livelihoods, ecolodges can inspire guests to become advocates for sustainable practices even after their stay.

Monitoring and Evaluation:
Covert infiltration emphasizes the need for ongoing monitoring and evaluation of ecolodges' environmental and socio-economic impact. Regular assessments can ensure that the covertly integrated sustainability measures are effectively implemented and identify areas for improvement. This iterative process allows ecolodges to continuously enhance their practices and contribute positively to the touristic impact in Egypt.

By embracing the concept of covert infiltration in ecolodge design and its touristic impact in Egypt, participants in Theme 2 of the workshop can explore innovative approaches to create sustainable and socially responsible ecolodges. These ecolodges can serve as models for responsible tourism, promoting environmental conservation, cultural preservation, and the well-being of local communities in Egypt and the Mediterranean region.

WORKGROUPS

The number of participants:

Total participants from Mediterranean countries: 16 students + 4 faculty members/supervisors.

Total participants from local universities, including King Salman International University: 16 students + 4 faculty members/supervisors.

Participants are divided into 4 proposed teams. Special attention is given so that the groups are of versatile cultural backgrounds, also expertise, skills, and level of study. Each team is allocated a host student from KSIU University as an ambassador to the city and the university.

Team A: 4 members + 2 host
Team B: 4 members + 2 host
Team C: 4 members + 2 host
Team D: 4 members + 2 host

Every member section is allowed to nominate one student.

Phases of the Workshop:

Phase 1: Pre-Workshop Preparation

Registration and participant selection process.

Distribution of workshop materials, including reading materials and resources related to eco-tourism architecture and ecolodge design.

Pre-workshop assignments to familiarize participants with the workshop themes and concepts.

Phase 2: Workshop Introduction and Orientation

Welcome address and introduction to the workshop objectives, themes, and schedule.

Ice-breaking activities facilitate networking and create a collaborative atmosphere.

Overview of workshop guidelines, expectations, and code of conduct.

Introduction to the workshop facilitators, experts, and their areas of expertise.

Phase 3: Theme 1 - Eco-Tourism Application - Architecture Practice in Egypt and the Mediterranean Region

Lectures and presentations by experts in eco-tourism architecture.

Discussions on sustainable design practices and their application in the context of Egypt and the Mediterranean region.

Exploration of ecological considerations and their integration into architectural design.

Analysis of the socio-cultural impact of eco-tourism architecture.

Case studies showcasing successful eco-tourism projects in Egypt and the Mediterranean region.

Phase 4: Theme 2 - Ecolodge Design and Touristic Impact in the Mediterranean

Introduction to the principles of ecolodge design, including energy efficiency, waste management,

and cultural preservation.

Case studies highlight successful eco-lodge projects and their impact on sustainable tourism.

Interactive seminars and workshops focusing on the environmental and socio-economic benefits of ecolodges.

Discussions on the challenges involved in ecolodge implementation in Egypt.

Group exercises to develop innovative design approaches for ecolodges in alignment with local resources and heritage.

Phase 5: Design Charrette

Collaborative design sessions where participants work in groups to develop architectural concepts and proposals.

Mentoring and guidance from workshop facilitators and experts.

Critique sessions to receive feedback and refine design ideas.

Integration of sustainable and eco-tourism principles into the design concepts.

Phase 6: Presentation and Exhibition

Finalization and preparation of design presentations.

Exhibition of the workshop projects, allowing participants to showcase their work.

Presentations of design concepts to a panel of experts and stakeholders.

Q&A sessions and constructive feedback from the panel.

Phase 7: Wrap-up and Closing

Recap of the workshop highlights and key takeaways.

Recognition of outstanding contributions and achievements.

Closing remarks from the organizers and facilitators.

Networking opportunities and exchange of contact information.

Phase 8: Post-Workshop follow up.

Distribution of workshop certificates:

Post-workshop surveys to gather participant feedback and suggestions. Continued engagement through online platforms or alumni networks to foster ongoing collaboration and knowledge sharing.

The workshop phases are designed to provide participants with a structured and immersive learning experience, combining lectures, discussions, case studies, group work, and presentations. The aim is to facilitate knowledge exchange, skill development, and the exploration of innovative ideas in the field of eco-tourism architecture and ecolodge design.

Academic contribution:

Academic publishing will be presumed following the conclusion of the workshop ceremonies. This will take the form of a digital softcover book and potential journal article publications.

Additionally, media recordings of the workshop will be made available through video and photographic documentation.

It is important to note that participants are encouraged to bring their laptops, equipped with the necessary software commonly used by architects and designers. Additionally, participants will be able to enjoy the picturesque surroundings of Sharm El Sheikh. We look forward to a fruitful and inspiring workshop that will foster innovative ideas and contribute to improving eco-tourism

architecture in Egypt.

Important dates:

Start of nomination: End of May 2024

Nomination registration: 15th of June 2024

REQUIREMENTS

- ENGLISH LANGUAGE AT LEVEL FLUENT IN READING AND WRITING
- 2 MINIMUM YEARS IN STUDYING ARCHITECTURE

ACTIVITIES CALENDAR

From 1 to 8 September 2024
First day Sunday 1st of September: arrival and settling in Sharm El Shiekh

2nd day – Monday, September 2nd.
- Welcome: Department of Architecture KSIU: 10:00' – 10:15'
- KSIU President speech: 10:15' – 10:30'
- UMAR Representative speech: 10:30' – 10:45'
- Architecture Egyptian society word: 10:45' – 11:00'
- Guest speaker 11:00' – 12:00'
- Academic coordinator 12:00 – 12:15
- North Africa speaker: 12:15' – 13:00'
- EUROPE 1 speaker: 13:00' – 14:00'
- **Lunch Break: 14:00' – 16:00'**
- Middle East speaker: 16:00' – 17:00'
- EUROPE 2 speaker: 17:00' – 18:00'
- Groups distribution: 18:00' – 20:00'

3rd day – Tuesday, September 3rd.
- Study trip to NABQ Reserve, 10:30' – 13:00'
- **Lunch Break: 13:00' – 15:00'**
- Meeting local stakeholders: 15:30' – 17:00'
- Teamwork Meeting: 18:00' – 19:30'

4ᵗʰ day –, Wednesday, September 4th.
Study trip to the Great Transfiguration Project - Saint Catherine,

5ᵗʰ & 6ᵗʰ days – Thursday & Friday, September 5ᵗʰ & 6ᵗʰ.
- Teamwork Meeting: 10:00' – 11:00'
- 1st Assignment Workshop "How can the design of Nabq Reserve be developed to suit residents?": 11:00' – 14:00'
- **Lunch Break: 14:00' – 16:00'**
- Lecture& Discussion: Design of the Great Transfiguration Project - Saint Catherine, 16:00' – 18:00'
- Teamwork Meeting: 18:30' – 20:00'

For the 6ᵗʰ: Analysis of the Great Transfiguration Project - Saint Catherine.
- 2nd Assignment Workshop: Teamwork – "Contextual Adaptation of the Design Project", 10:00' – 11:30'
- Presentation: 11:30' – 12:30'
- 3rd Assignment Workshop: Teamwork – Analysis of the Design Project, 12:30' – 14:00'
- **Lunch Break: 14:00' – 16:00'**
- Presentation& Discussion: 16:00' – 20:00'

7th day – Saturday, September 7th
- Final presentation & Collective Assessment – Invited Jury & KSIU Team, 10:00' – 14:00'
8th day – Sunday, September 8th
Thanking & leaving the city

Every day, courses start at 10:00, with a two-hour break at 14:00' for lunch, then continue from 16:00' to 20:00.
On Tuesday, September 3rd, there will be a gathering at 07:30' for the study trip.

Cost

Students need to cover:
- **Air tickets two ways to Sharm El Shiekh**
- **Transportation and meals for the Saint Catherine trip**. However, we can organize transportation and a common table in a local traditional restaurant at a cost of around 40 euros per person. Participation in this may be arranged at our first meeting on September 2nd.

KSIU University will cover:
- **The accommodation and catering at the time of stay at the hotel inside the university campus.**

HARDWARE & SOFTWARE

During the workshop, participants will have access to a range of hardware resources, including desktop computers and a laser cutter, if required for specific tasks. However, we highly recommend that participants bring their laptops to ensure they have a familiar and comfortable working environment. Your laptop will allow you to continue working on projects outside the workshop sessions if needed.

In terms of software requirements, there are no specific limitations or restrictions. However, participants are expected to have a working knowledge of and have installed on their personal computers the usual vector (2D and 3D) and image processing software commonly used by architects and designers. This may include software such as AutoCAD, SketchUp, GIS, Rhino, Adobe Illustrator, and Adobe Photoshop, among others. Being proficient in these tools will enable participants to effectively engage in the design and visualization aspects of the workshop.

Additional Considerations:

As the workshop takes place in the beautiful coastal city of Sharm El Sheikh, participants are encouraged to bring their swimming suits. Sharm El Sheikh offers stunning beaches and warm waters, providing an excellent opportunity for relaxation and leisure during your free time.

It is also advisable to check weather reports for Sharm El Sheikh before your arrival. This will help you prepare your luggage and clothing, accordingly, ensuring you are comfortable throughout the workshop. The weather in Sharm El Sheikh is generally warm and sunny, so lightweight and breathable clothing, as well as sunscreen, are recommended.