# Calendar 2024

## Rediscovering Kalinga Architecture : Utkal's Heritage Blueprint

Within the hallowed precincts of Odisha, the erstwhile 'Kalinga' or 'Utkal', the splendid remnants of Kalinga Architecture unveil a symphony of ancient mastery, woven into the fabric of time. Utkal's legacy finds expression in architectural marvels, inviting contemplation of a grand epoch. This resplendent odyssey through Kalinga's architectural opulence and Utkal's heritage, ignites a profound connection with an antiquity that enchants and perpetually inspires.

Kalinga Architecture, marked by intricate carvings and resplendent temple structures, is a radiant expression of the region's spiritual and cultural essence. Crafted with virtuosity by skilled artisans, these enduring structures testify to Kalinga's opulent legacy-a seamless blend of artistic finesse and profound spirituality. Also, Odisha's royal palaces and forts echo a regal legacy through intricate design and timeless grace.

IIT Bhubaneswar, a beacon of excellence in technical education, unveils its Calendar-2024 as a fervent tribute to the architectural marvels that whisper tales of Odisha's ancient engineering sagacity. This humble effort represents timeless monuments of Odisha and their engineering design, showcasing the institute's commitment to rediscovering ancient knowledge.

Behold, a homage rendered through the delicate strokes of architectural drawings meticulously recreated by the young to-be-engineers of IIT Bhubaneswar. This is a testament to their profound veneration for the ancient engineering prowess that graced the soil of Odisha.

Our humble acknowledgement to: Dr. Soumendu Shankar Ray & Dr. Kajri Misra (Authors of 'Odisha: An Architectural Odyssey') and Prof. N.C. Panda & Prof. K.M. Suresh (Authors of 'Temple Architecture of Orissa')

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#### The Sun Temple, Konark

Exquisite Architectural Grandeur

Sunrise in stone, where history whispers through intricate carvings - Konark Temple, an ode to celestial craftsmanship...

Built in 13th Century A.D. by King Narasimhadeva-I in traditional Kalinga style, The Sun Temple at Konark features a pyramid-shaped tower atop a sculpted platform, resembling a chariot with 24 intricately carved wheels. The temple showcases exquisite stone carvings depicting life, mythology, and religious themes, adorned with intricate sculptures, pillars, and wheels. The iron beams, integral to the stability of the Temple, are under research by IIT Bhubaneswar as part of the Indian Knowledge System project.





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niches, platform, doors

Dance Pavilion

Kitchen

Elephante

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#### **Mukteshwar Temple**

Enchanted Gateway Unveiled

Unveiling the sublime fusion of divine craftsmanship and earthly precision, where architectural poetry meets engineering mastery...

Hukteshwar Temple, a 10th-century A.D. marvel in Odisha, is a sublime fusion of artistry and engineering. Elaborate carvings, a singular tower, and a resplendent sanctum showcase briliant craftsmanship. The living legacy of Odisha's architectural finesse, the temple's distinguished torana an arched gateway dating back to around 900 C.E. is adorned with influences from the majestic era of Buddhist architecture.

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A paragon of structural and artistic prowess, intertwining spiritual allure with intricate engineering finesse...

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Lingaraj Temple, a divine gem in Kalinga's architectural crown, whispers the Ganga dynasty's mastery from the 11th century A.D. Ascending to 55 meters, its shikara, a testament to intricate engineering, adorns the Bhubaneswar skyline. Within the vast complex, mythological tales and celestial beings intricately dance on pidha deul and khakhara deul structures, creating an opulent symphony for discerning visitors.

#### Lingaraj Temple Sculpted Divine Opulence

## March

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## Rani Gumpha, Udayagiri

Elegant Manifestation of Spiritual Traverse

A divine pilgrimage through regal architecture and renounced serenity in the timeless haven, where stones speak tales of spiritual transcendence...

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Carved into the rugged hillsides, its intricate design showcases a blend of regal artistry and structural ingenuity. This two-level cave boasts a central wing, larger in size, with seven entrances on the lower floor and nine columns on the upper floor. The upper central wing showcases relief images of a triumphant king, while carved dwarapala images adorn many cells. Connecting wings feature panels with sculptures of animals, trees, and human figures. The pilasters display toranas with Jain religious sculptures and royal scenes.



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#### Lalitagiri

Majestic Monastic Mastery

Central

Plan of Chaitya<sup>I</sup>Hall

In the embrace of celestial engineering and artistic virtuosity, the sanctified architectural marvel whispers tales of transcendent wisdom...

Lalitagiri, an ancient Buddhist haven in Jajpur, Odisha, unveils divine magnificence with stupas, monasteries, and celestial prayer halls. The central stupa, adorned with intricate carvings, reflects divine artistry, while monastic cells showcase meticulous stone and brick construction.

Chaityas, blending functionality with grace, reveal architectural provess. Ornate pillars and walls depict Buddhist narratives, a testament to Lalitagiri's rich history and spiritual reverence.

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Plan of Chaitya Hall

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#### The harmonious ballet of engineering and architectural opulence, where each stone resonates with the melody of divine craftsmanship and sublime beauty...

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Dating back to the 13th century A.D., Ananta Vasudeva Temple honours Lord Krishna with a remarkable vimana featuring intricate carvings narrating Hindu myths. Constructed in sandstone and laterite, the temple's structural stability and outer walls adorned with carvings manifest the engineering brilliance of ancient Odisha. In a panchayatana style, the central sanctum is surrounded by subsidiary shrines, presenting a demonstration to the fusion of spiritual significance and artistic excellence in Odisha's architectural legacy.



Ananta Vasudeva Temple

Sacred Structural Splendour

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#### Shri Jagannath Temple

Heavenly Hues in Sculpture

An opulent orchestration of engineering prowess, weaving tales of divine architecture within the sanctum of spiritual elegance...

Built in the 12th century A.D. by King Ananta Varman Chodaganga Deva, this Temple dedicated to Lord Jagannath in Puri, is a synthesis of Kalinga, Dravidian, and Chalukyan styles. The towering sanctum, "Deula," with a 65-meter spire, features intricate carvings, surrounded by Meghanad Prachir and four directional gates- Lion Gate (East), Tiger Gate (West), Elephant Gate (North) and Horse Gate (South). Using sandstone, Khandolite, and iron elements, the temple's engineering marvel ensures structural stability, while exquisite carvings depict Hindu mythological tales, showcasing ancient Odisha's artisanal mastery.



Main Entrance; Eastern Gate Jon Gate/ Simha Dwara) igannath Museum ath Main Templ anada Pache 7. Northen Gate (Elepha Sate/ Hasti Dwara) 18. Western Gate (Tiger Gate Byaghra Dwara) 19. Southern Gate (Horse Gate/ Aswa Gate)

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### **Baitala Temple**

Entry

Diverse Architectural Excellence.

Mukhasala

An exquisite masterpiece of architectural distinction, where every facet intricately captures the essence of artistry & elegance...

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The illustrious Baitala deula or Vaitala deula, an 8th-century A.D. Hindu temple, embodies the quintessential Khakara style within the sacred tapestry of Kalinga architecture. Devoted to Goddess Chamunda, and locally revered as Tini-mundia Deula (Three-headed Temple), it distinguishes itself with three resplendent spires, an exceedingly unique feature. These three spires are revered symbols, representing the triumvirate powers of the divine Goddess Chamunda-Mahasaraswati, Mahalakshmi, and Mahakali.



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### Brahmeswar Temple

Ancient Artistry Resplet

Within a sanctified realm, where celestial whispers converge with intricate stone poetry, unfolding in a timeless ballet of divine artistry...

The Brahmeswar Temple in Bhubaneswar, Odisha, is an 11th-12th century A.D. marvel dedicated to Lord Shiva. Crafted from sandstone, its soaring vimana and intricate carvings tell divine tales with structural elegance. The jagamohana and entrance porch, adorned with exquisite details, blend aesthetics and engineering seamlessly. Time has been kind to this architectural gem, standing as a testament to ancient mastery in proportion and balance. A revered site, it beckons history enthusiasts and spiritual seekers to witness its timeless grandeur.

Site plan of Brahmeswar temple 1 1 16 15

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## Chausathi Yogini Temple, Hirapur

Mystical Elegance of Shakti

A mystical realm where divine engineering meets architectural splendour, crafting a sacred ode to heavenly grace in stone...

Dating to the 9th century A.D., Chausathi Yogini Temple at Hirapur, is a circular marvel devoted to the 64 Yoginis the powerful forms of Shakti in Tantra. Its rare Circular design integrates a central sanctum with 64 subsidiary shrines, symbolizing cosmic order. Crafted from durable chlorite stone, the enduring temple, adorned with intricate carvings, offers a glimpse into ancient Odisha's advanced engineering and artistic finesse.

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### Kalahandi Palace

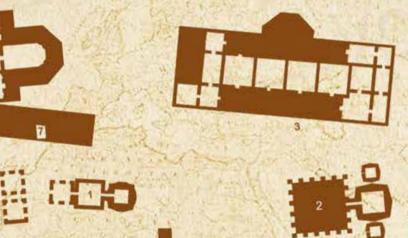
Elegance amid Tales

Regal splendour unfolds, blending celestial tales with floral opulence in an architectural marvel...

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The regal Kalahandi Palace in Bhawanipatna stands as an opulent testament, crafted for extravagant jamborees of the Kalahandi Royal Family. Corridor walls, adorned with brilliant depictions of Radha Krishna, transform into delicate figures reminiscent of European cherubs gracefully gliding across the expanse. A luminous design unfolds within the palace, featuring a mesmerizing array of floral motifs, elaborate carvings, and vibrant wall paintings. The architectural marvel harmoniously centers on the Manikeswari Temple, creating an immersive and divine experience.



1. Radha Krishna Temple 2. Manikeswari Temple 3. Janana 4. Old Palace 5. Stone and Armoury 6. Fountain with Plaza 7. Old Palace 8. New Palace 9. Guest Palace 10. Kitchen



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#### **Rajarani Temple**

Regal Architectural Majesty

An enchanting amalgamation of architectural opulence and engineering finesse, where each stone narrates an eloquent tale of artistic magnificence...

The Rajarani Temple in Bhubaneswar, India, built in the 11th century A.D. by the Kalinga dynasty, showcases a unique blend of architectural styles, primarily featuring a pancharatha structure. The temple boasts intricate carvings depicting deities, celestial beings, and daily life scenes, including the famous maithuna figures at the entrance influenced by the Kama Sutra. The main sanctum, devoid of a specific deity, allows visitors to appreciate the temple's architecture without a religious focus. With ornate spires and a fusion of Nagara and Dravida styles, the Rajarani Temple exemplifies the Kalinga School's architectural brilliance.

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