



**ACHARYA'S NRV SCHOOL OF ARCHITECTURE**  
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**"SPORTS COMPLEX IN BELGAUM"**  
**ARCHITECTURE DESIGN PROJECT (THESIS) – 2024-25**

**Submitted in partial fulfillment of the Requirements for the**  
**"Bachelor of Architecture" Degree Course**

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A project report submitted to  
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## **CERTIFICATE**

This is to certify that this thesis report titled “**Sports complex in Belgaum**” by Arsalan kittur of IX SEMESTER B. Arch, USN No. 1AA20AT007, has been submitted in partial fulfillment of the requirements for the award of under graduate degree **Bachelor of Architecture (B.Arch)** by Visveshwaraya Technological University VTU, Belgaum during the year 2024- 25.

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## **DECLARATION**

This thesis title “**Sports complex in Belgaum**”, submitted in partial fulfillment of the requirement for the award of the under graduate of Bachelor of architecture is my original work to the best of my knowledge.

The sources for the various information and the data used have been duly acknowledged.

The work has not been submitted or provided to any other institution/ organization for any diploma/degree or any other purpose.

I take full responsibility for the content in this report and in the event of any conflict or dispute if any, hereby indemnify Acharya’s NRV School of Architecture and Visveshwaraya Technological University, Belagavi, and its official representatives against any damages that may arise thereof.

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## ABSTRACT

This thesis proposes a well equipped, eco-friendly sports complex in Belgaum, addressing the city's lack for comprehensive sports infrastructure. The complex integrates four stadiums, showcasing innovative design, sustainability, and community engagement & they are athletic stadium with a retractable roof, and three indoor stadiums for kabaddi, tennis, and badminton.

### Key Features:

- Athletic Stadium: 6200-seat capacity, retractable roof, and world-class track-and-field facilities
- Three Indoor Stadiums: kabaddi, tennis, and badminton courts with 1250-seat capacity each.
- Extensive Green Spaces: native tree planting, rain gardens, and green roofs for natural ventilation and shading
- Renewable Energy: solar panels for reduced carbon footprint
- Sustainable Materials: recycled materials, low-VOC paints, and energy-efficient systems
- Smart Parking: electric vehicle charging stations, rainwater harvesting.

The Sports complex in Belgaum thesis demonstrates a commitment to sustainable design, social responsibility, and athletic excellence. This project serves as a key role for sports people in there sports career & it serves as model for future sports infrastructure development in India, prioritizing community engagement, environmental stewardship, and innovative design.

## **ACKNOWLEDGEMENT**

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This project, "Sports complex in Belgaum," not only represents a culmination of my academic efforts but also reflects my personal journey and aspirations as an architect. Through this work, I have sought to merge functionality with creativity, aiming to design spaces that are both impactful and sustainable. It showcases the kind of architect I aspire to be—one who creates innovative, inclusive, and people-centric urban spaces.

I am truly grateful to Ms. Sana Parveen for helping me realize this vision, and for being a mentor who has not only guided me academically but also shaped my professional outlook.

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