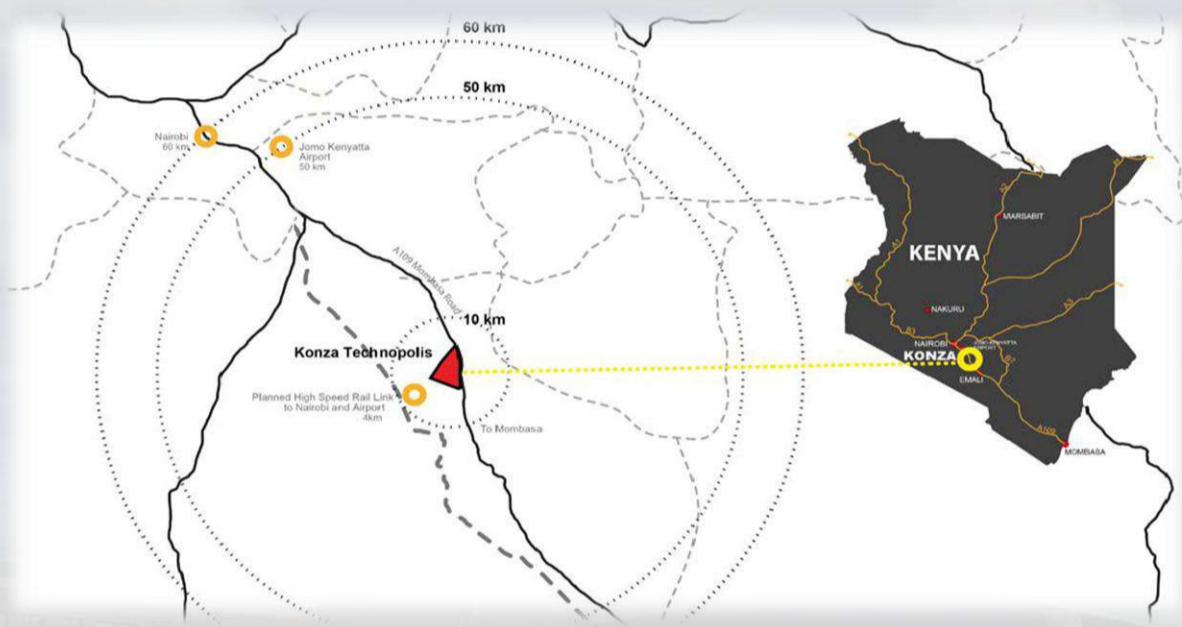


KENYA ADVANCED INSTITUTE OF SCIENCE OF TECHNOLOGY



PROJECT SUMMARY

The project is a university comprised of a fully fledged campus section, inclusive of a library, cafeteria, faculty offices, laboratories, auditorium, lecture halls and wastewater treatment facility. Additionally, it has a housing section with student and staff houses, manicured gardens and utility section.

CAMPUS CORE & EDUCATION



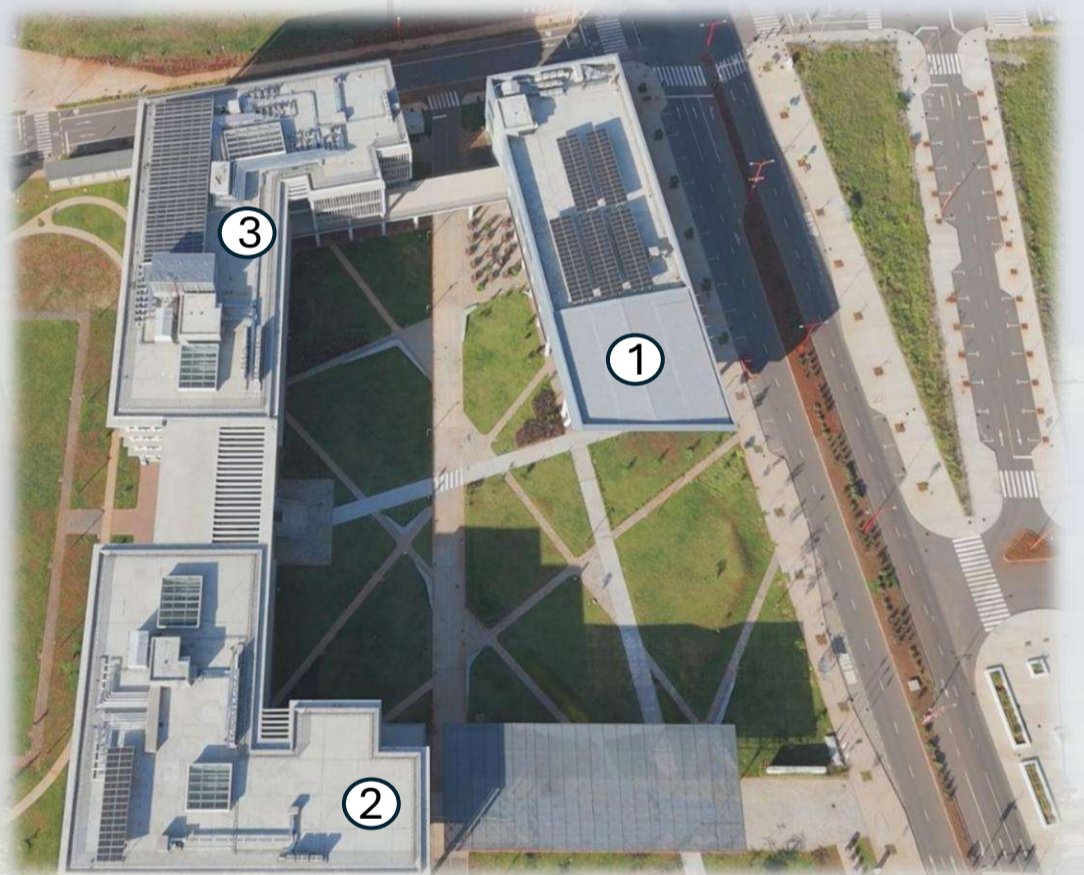
PROJECT VISION

Modelled after the prestigious **Korean Advanced Institute of Science and Technology**, this institution is established as an all-post-graduate public university. Its core mission is to provide a space that enhances technological innovation to propel Kenya towards achieving the Vision 2030 goal through specialized training, particularly in engineering disciplines.

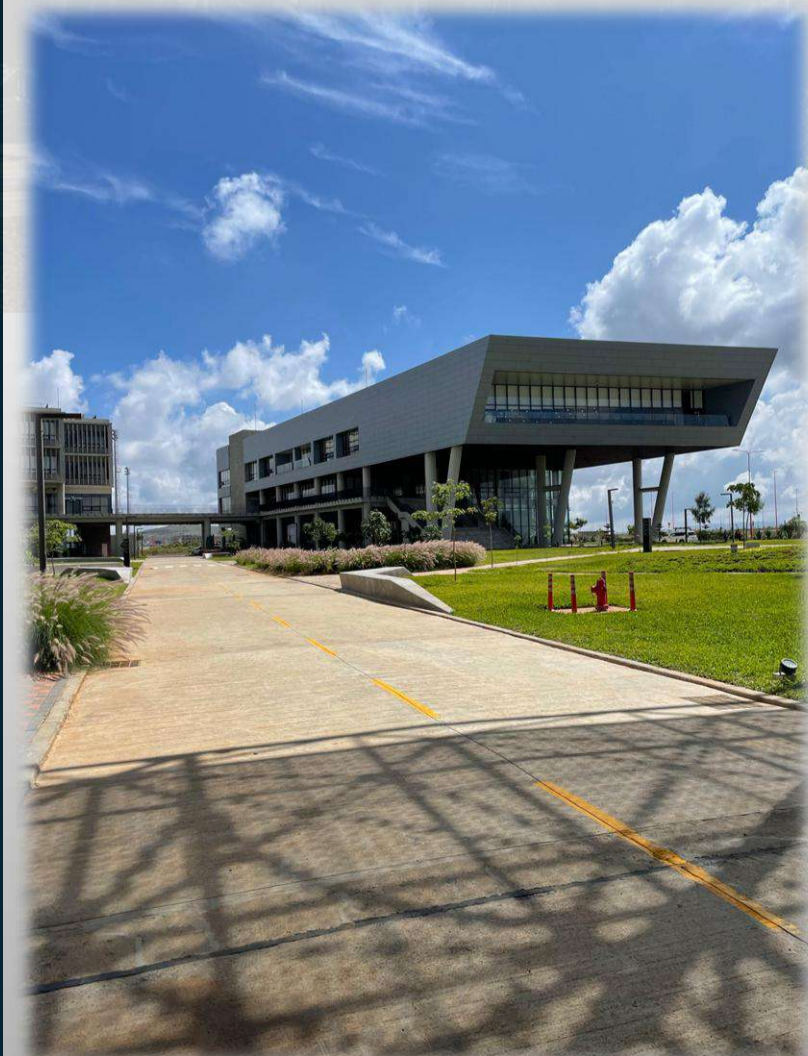


INSTITUTIONAL IDENTITY

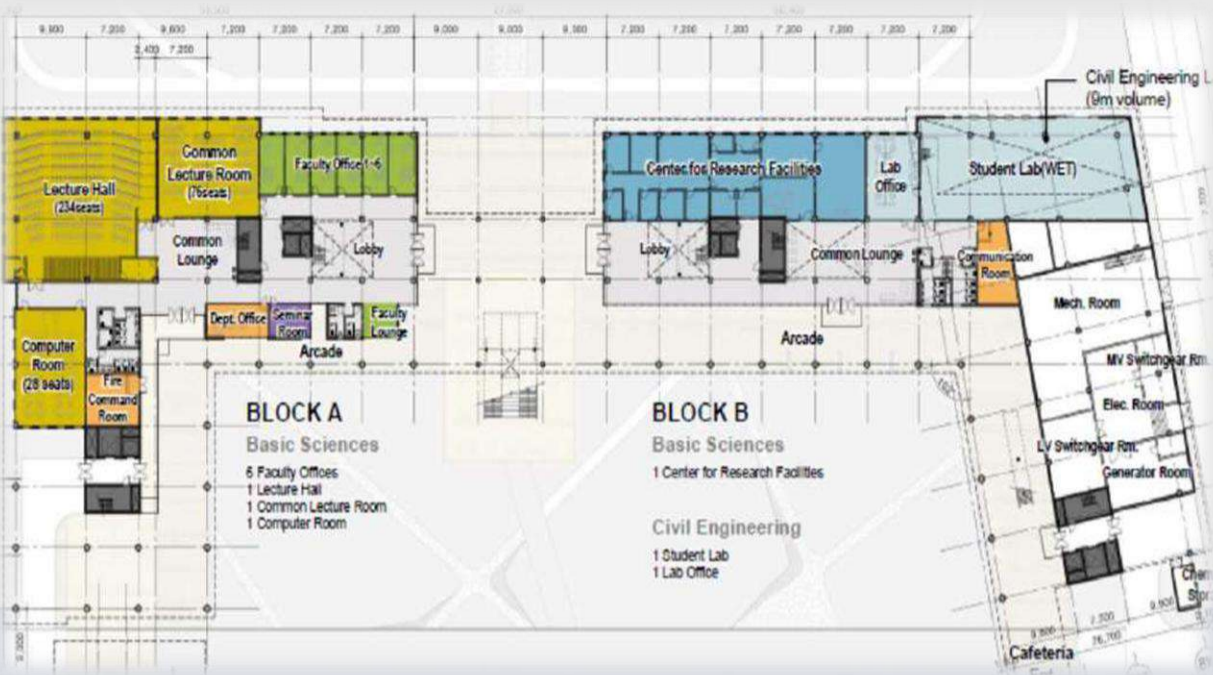
The campus establishes a contemporary institutional identity through a carefully composed ensemble of academic buildings organized around a central green court. The architecture emphasizes openness, collaboration, and innovation values central to advanced scientific research. Clean horizontal volumes, elevated structures, and transparent façades create visual permeability while framing shared outdoor spaces that foster interaction among students, researchers, and faculty.



1. **CAMPUS CORE-** Cafeteria, Library, Senior Faculty offices, VC's ball room
2. **EDUCATION A-** 300pax Auditorium, Lecture halls, Laboratories, Faculty offices & Faculty lounges
3. **EDUCATION B-** Mechanical rooms, Electrical rooms, Laboratories, Lecture halls, Faculty offices & Faculty lounges



LEARNING/WORKING SPACES



The environment is tailored for advanced research and collaboration, featuring:

- Specialized Labs:** Dedicated spaces for **Dry Labs** and **Wet Labs** across various floors to support technical experimentation.
- Academic Core:** The curriculum focuses on six initial departments: Mechanical, Electrical/Electronic, ICT, Chemical, Civil Engineering, and Agricultural Biotechnology.

ICT ENGINEERING LAB



CHEMICAL & MECHANICAL ENGINEERING LAB



CIVIL ENGINEERING LAB



Support Spaces: Inclusion of common lecture rooms, a computer room, faculty offices, and a cafeteria to ensure a well-rounded-academic experience.



SUSTAINABLE DESIGN



The project is accredited with the Korean G-SEED certification to ensure sustainability in the materials used while also adhering to local green standards and design principles such as:

1. Building orientation- Most of the buildings are oriented along the east-west axis
2. Narrow floor plans- This allows for cross-ventilation while pushing natural light effectively into the building
3. Sun shading devices- Vertical fins along the glazed facades as well as recessing the spaces into the building shield the spaces along the facades from direct solar exposure
4. High thermal mass walls
5. Use of locally sourced materials
6. Green energy- Solar energy harvesting, electric vehicular charging points



Ultra High-Performance Concrete Louvres



Narrow Plans



Solar panels



Electric Vehicle charging station



Blue mazeras



Natural stone



Yellow brick



Yellow mazeras

