

Urban Design & Landscaping – Sustainable and Aesthetic Designing of Public Spaces

Xeriscaping of Shami-Khurshid Alam Road Chowk

Location: Lahore Cantonment, Pakistan

Designed a **low-water-use urban landscape** to enhance a central traffic junction. Applied xeriscaping principles to replace deteriorated features with a crystal-shaped globe on a fountain base, integrated hexagonal paved walkways, and introduced drought-tolerant plant species. The design improved both aesthetics and long-term maintenance efficiency.

Xeriscaping of Rose & Jasmine Park

Location: Masood Anwari Road, Lahore Cantonment, Pakistan

Redesigned an 8-kanal park to optimize recreational use while minimizing water consumption. Proposed new lighting, litter bins, a pond with a bridge, pergolas, and a gazebo network. Integrated sustainable planting schemes to support biodiversity and reduce irrigation demand.

Landscape Design of Gulshan-e-Iqbal Park

Location: Lahore, Pakistan

Prepared a comprehensive **multi-functional park layout** including boating and fishing lakes, jogging tracks, sports areas, gym facilities, nursery, café, and cultural installations. Designed spaces for diverse user groups, enhancing both active and passive recreation opportunities.

Technical Methods & Tools

- AutoCAD for layout design, Google Earth Pro for site analysis, climate-adapted planting strategies, and xeriscaping principles for water efficiency.

Impact

The designs contribute to **livable, sustainable urban environments**, balancing functional public use with low-maintenance landscaping and environmental stewardship.

Design plans are on the next page:

Proposed Model



Site Images



CURRENT STATUS

- ... There placed a rotating World Globe that weights 10 ton.
- ... It is a single piece marble which is deteriorated now.

PROPOSED MODEL

- ... The placement of model is same but model is changed into a crystal shaped globe.
- ... It is placed on a fountain to give a pleasant image blended with the rich landscape.
- ... Hexagonal paved tracks are given on a regular interval.
- ... 3 types of plants are used in the area.

Xeriscaping of a Chowk, Shami-Khurshid Alam Road, Lahore Cantonment

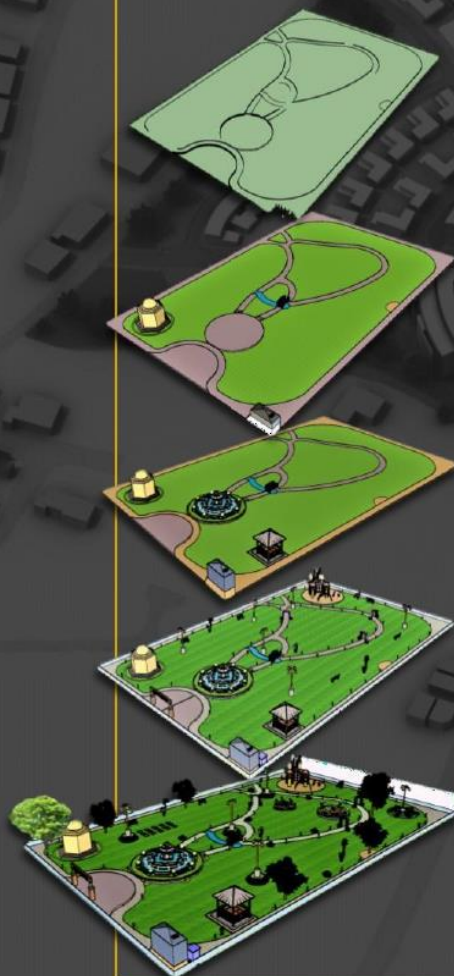
Xeriscaping of Rose & Jasmin Park, Masood Anwari Road, Lahore Cantonment

Current Statistics		Proposed
Area	8 Kanals	8 Kanals
Dimension	150 X 240 ft	150 X 240 ft
Benches	5	5
Light Poles	2	5
Water Cooler	0	1
Litterbins	0	3
Pond	0	1
Bridge	1	1
Tube Well	1	1
Gazebo	2	2
Pergola	0	3
Walkway	0	30
Light		

Site Images



Proposed Model



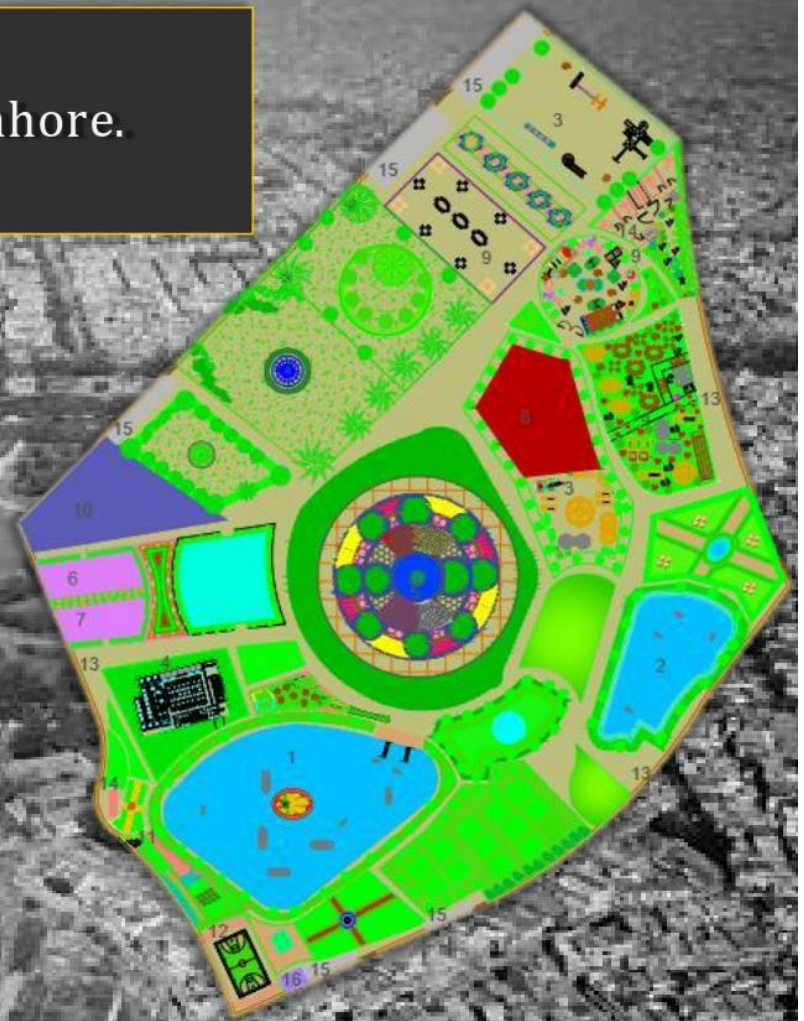
Landscape Design of Gulshan-e-Iqbal Park, Lahore.

Proposed Uses

1	Boating Lake	9	Sitting Area
2	Fishing Lake	10	Library
3	Playarea	11	Nursery
4	Café	12	Football Area
5	Artificial Monuments	13	Jogging Track
6	Ladies Gym	14	Public Toilets
7	Gents Gym	15	Parking
8	Mosque	16	Information Cell



Site Plan



Urban Farming Project – Sustainable Food Production in Urban Contexts

Academic Project | Bachelor's in City & Regional Planning

Project Overview

This project explored integrating **productive green spaces** within the urban fabric to address food security, environmental sustainability, and community engagement in Lahore.

My Role & Contributions

- Mapped and analyzed potential urban agriculture sites using **ArcGIS** and **Google Earth Pro**.
- Conducted **land-use classification** to identify underutilized spaces suitable for farming initiatives.
- Evaluated **soil suitability, water access, and sunlight exposure** for selected sites.

Technical Methods & Tools

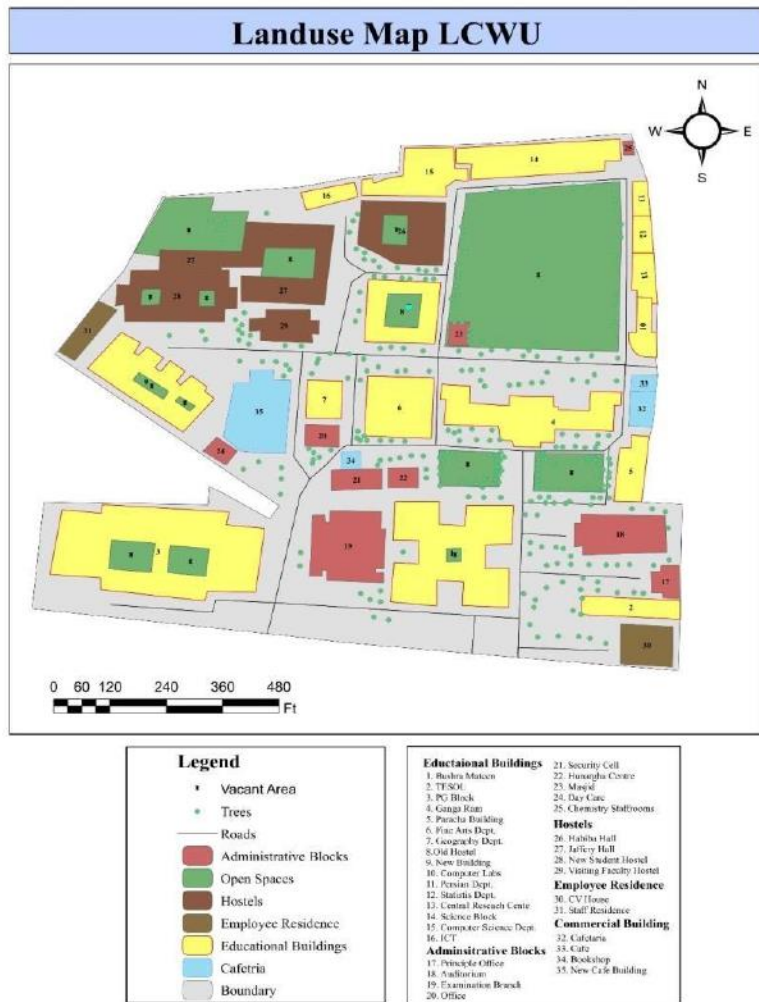
ArcGIS for site selection mapping, Google Earth Pro for spatial referencing, and basic crop suitability assessment.

Outcome

Developed a spatial proposal for introducing urban farming nodes that enhance food availability, reduce heat island effects, and foster community participation.

Urban Farming Project – LCWU

Software: ArcGIS & Google Earth Pro



Conceptual Plan for Jhok Forest

Internship Project

Project Overview

The conceptual plan aimed to **revitalize and manage Jhok Forest** as a recreational and ecological asset, combining conservation objectives with community access.

My Role & Contributions

- Conducted **site survey and spatial assessment** to map existing vegetation, trails, and degraded areas.
- Designed **zoning framework** separating conservation areas from high-use recreational zones.
- Proposed **eco-friendly recreational features** such as nature trails, picnic areas, and interpretive signage.
- Integrated **biodiversity restoration measures**, including native tree planting and riparian buffer rehabilitation.

Technical Methods & Tools

AutoCAD for concept plan drafting, Adobe Photoshop for landscape designing.

Outcome

Delivered a conceptual master plan promoting **forest conservation, sustainable tourism, and environmental education**, ensuring long-term ecological health while enhancing public engagement.



JHOK FOREST



LEGEND

Water Park	
Cafeteria	
Ticket House	
Safari Lodges	
Walkways	
Parking	
Picnic Point	
Botanical Garden	
River	
Forest	
Fence	
Bridge	
Primary Road	
Main Road	



Conceptual Plan

Ravi Urban Development Authority

Scale:

Software Used: AutoCAD, Adobe Photoshop