

Urban Regeneration of Parks

Environmental Approaches for Sustainable
Renewal

Introduction to Urban Regeneration

- Urban regeneration involves revitalizing underutilized or abandoned urban spaces.
- Abandoned parks often face issues such as safety concerns and ecological degradation.
- Transforming these parks into sustainable, ecological spaces benefits both the environment and the community.



Environmental Approach Overview

- Environmental solutions focus on:
 - - Nature-based approaches
 - - Enhancing sustainability
 - - Promoting community engagement
 - - Increasing biodiversity and green infrastructure



Vertical Gardens as Green Infrastructure

- Vertical gardens, or green walls, can be used in park settings on fences, walls, or structures.
- Benefits include:
 - - Improved air quality
 - - Urban cooling
 - - Aesthetic appeal
 - - Supporting pollinators and birds





Vertical Gardens as Green Infrastructure



Permaculture Design Principles

- Permaculture uses design principles that mimic natural ecosystems:
- - Observe and interact
- - Use renewable resources
- - Produce no waste
- - Value biodiversity
- Example: Community gardens, swales, food forests in park zones.





Permaculture Design Principles

Suitable Aromatic & Medicinal Plants

- Recommended species:
- - Lavender: Low-maintenance, pollinator-friendly
- - Thyme: Ground cover, fragrant
- - Echinacea: Immune-boosting, native plant
- - Lemon balm, Chamomile, Mint, Calendula
- These support wellness, education, and biodiversity.



Types of Mulch for Pathways

- Organic mulch:
 - - Wood chips: Durable, natural look
 - - Bark mulch: Controls erosion
 - - Straw: Temporary, biodegradable
- Inorganic mulch:
 - - Gravel: Long-lasting, permeable
 - - Recycled rubber: Safety and durability





Types of Mulch for Pathways

A dense collage of colorful sticky notes (yellow, pink, blue, green, purple, orange) with various handwritten messages, drawings, and reminders. The notes are scattered across the page, overlapping each other. Some notes contain simple drawings like a heart, a cloud, a lightbulb, a smiley face, and a calendar. The text on the notes includes motivational phrases like "PASSION NEVER FAILS!", "FIGHT!", "CHEER UP!", and "POSITIVE THINKING". There are also reminders like "DON'T FORGET TO PAY TAX", "DAILY REPORT!", and "FOLLOW UP". Some notes have specific dates or times, such as "8.30. 11.00" and "MEETING AT 11 AM". The overall theme is positivity and productivity.

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Case Study Example

- Example: Transformation of 'The Bentway'





Pirinska

Okomirska Revolucija

D-r Bato, Kumanovo

Conclusion & Call to Action

- Revitalizing parks with environmental approaches leads to:
 - - Sustainable urban ecosystems
 - - Improved public health and community pride
 - - Enhanced biodiversity
- Call to Action: Collaborate with local stakeholders to transform neglected spaces.

