

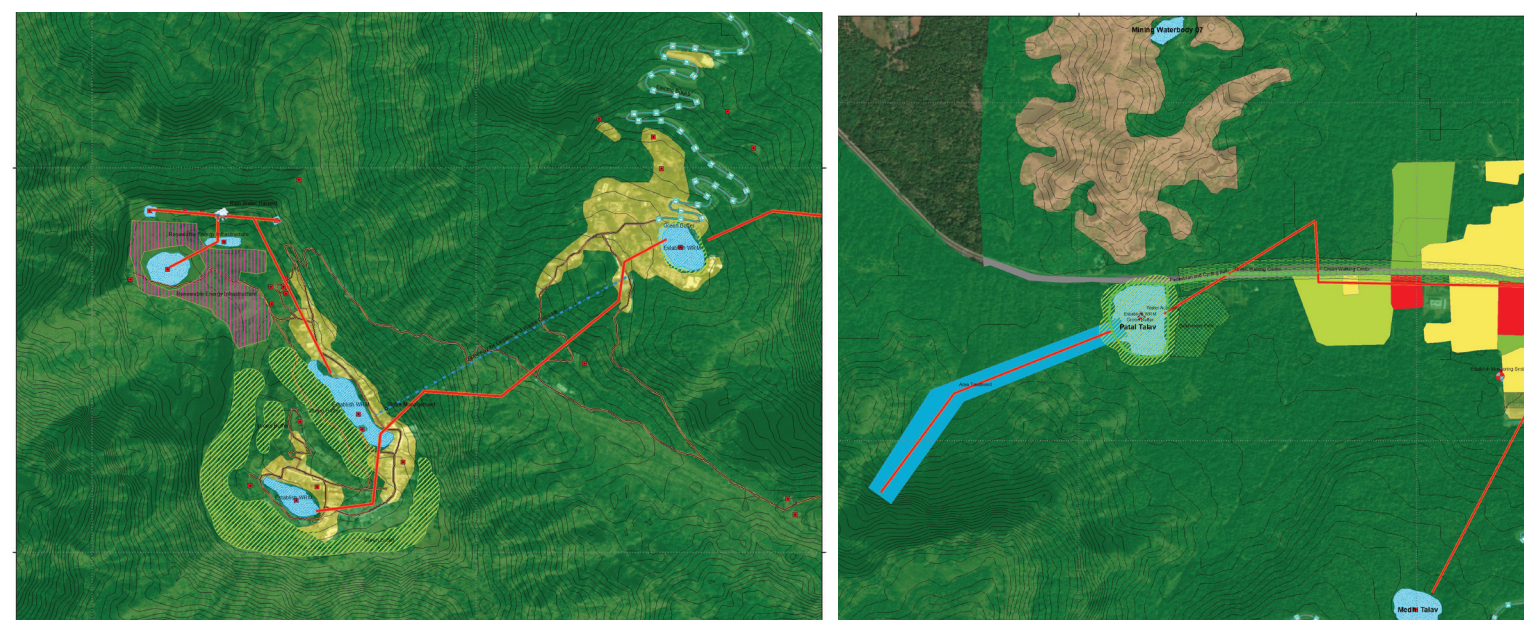
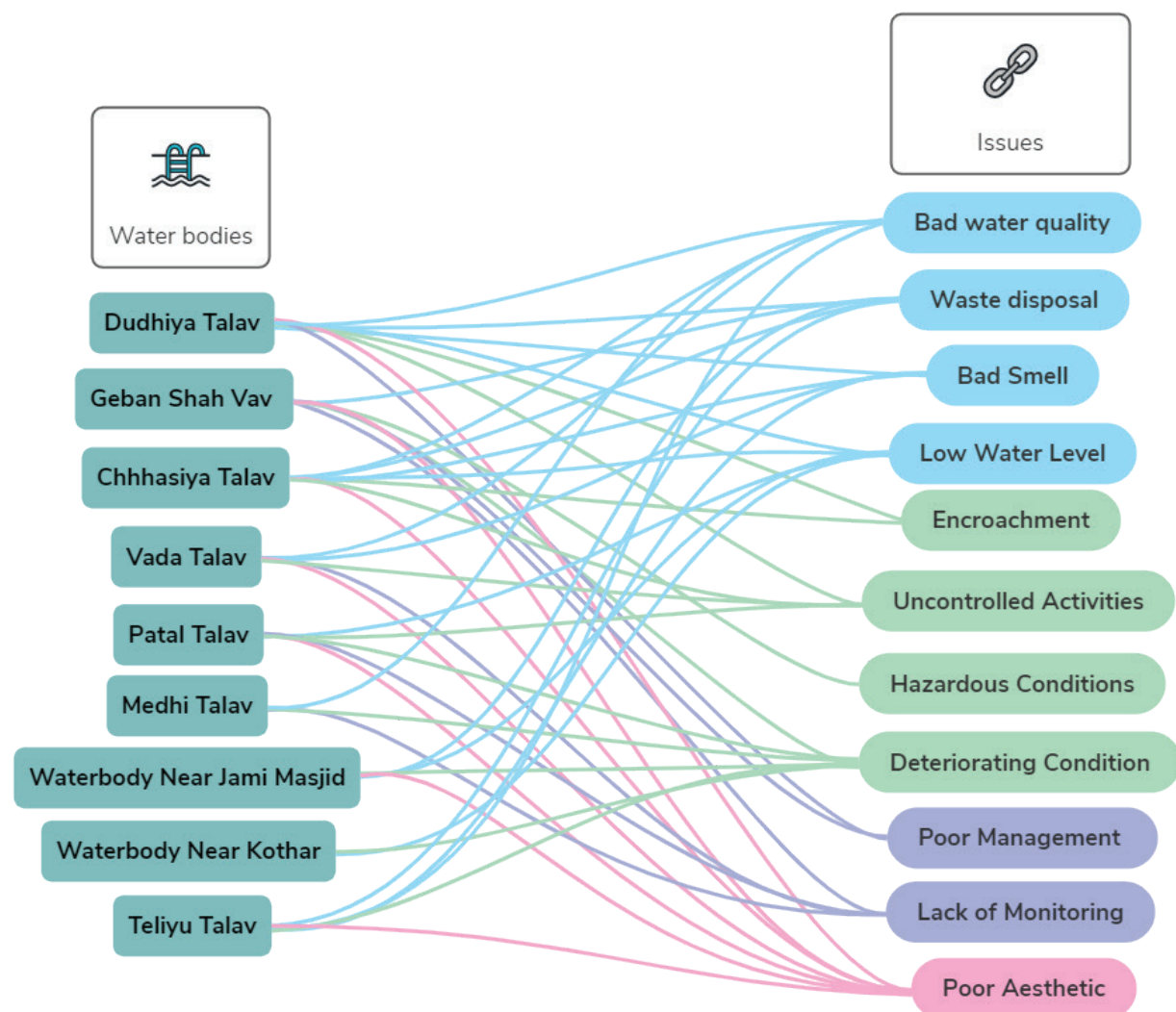
Sponsored Thesis Project Competition on "Re-imagining Urban Rivers"

Rejuvenation of the Historical Water System of the
Champaner-Pavagadh World Heritage Site

Student Name: Milindsinh Solanki
Course Discipline: Urban and Regional Planning

Introduction & Background

The project aims to rejuvenate the Champaner-Pavagadh World Heritage Site's water system, restoring its ancient structures as both a heritage and functional system. Combining historical research, modern engineering, and sustainable practices, it addresses current needs while respecting the site's integrity. The project seeks to understand and restore the system's original design and functionality through thorough analysis and modern assessments.



Analysis & Key Issues

The project uses a multi-phase approach to analyze and restore the water system, involving watershed mapping, regulatory study, and stakeholder engagement. GIS technology aids in understanding terrain and water conditions. Key issues include structural damage, pollution, siltation, and resource overexploitation. Addressing these requires historical reconstruction and modern water management to restore both physical structures and ecological balance.

Proposal and Way Forward

The project plans to restore critical waterworks like tanks, wells, and canals using traditional techniques and sustainable practices. It includes water conservation measures such as rainwater harvesting and community education. Continuous monitoring and evaluation, involving local representatives, experts, and stakeholders, will ensure effective restoration. The project aims to be a model for other heritage sites by integrating traditional water management with modern conservation efforts.

