

Student Thesis Competition (STC) Season 5 on “Re-imagining Urban Rivers”

Urban River Management Strategies for Gurupura River in the Coastal City of Mangaluru

Ananya K S
Master of Planning (Environmental Planning)

Project brief

- Addresses pollution, flooding & ecological degradation in Mangaluru's coastal ecosystem
- Implements multi-scalar strategies, blends nature-based, regulatory, & infrastructure gaps
- Aims to restore river health & foster resilient, river centric urban development

Coastal Ecosystem of Gurupura River in Mangaluru

Mangroves



Avicennia officinalis



Rhizophora mucronata



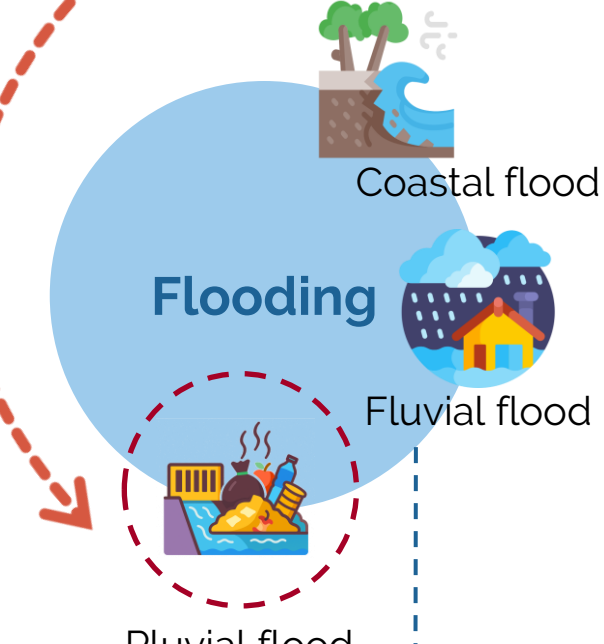
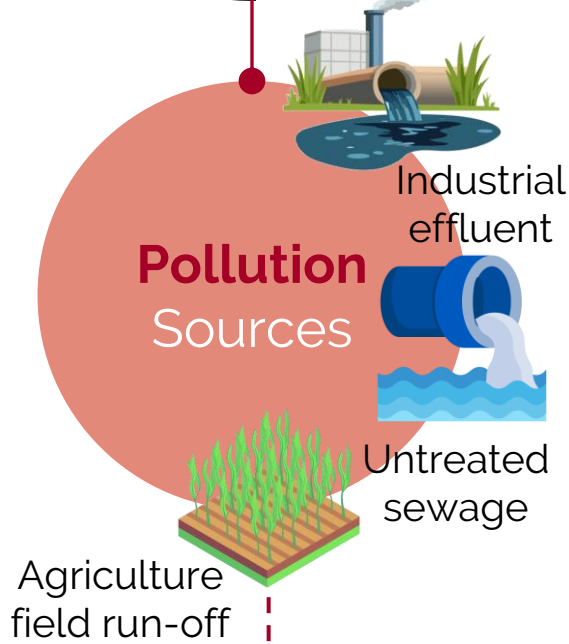
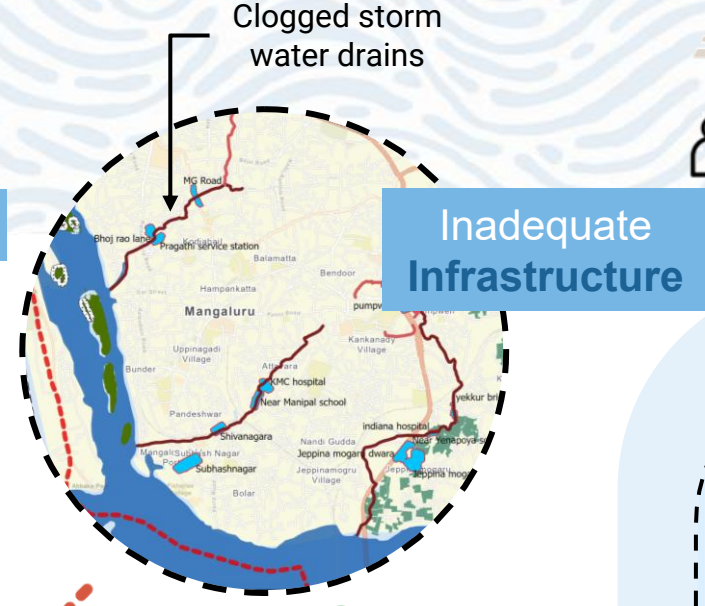
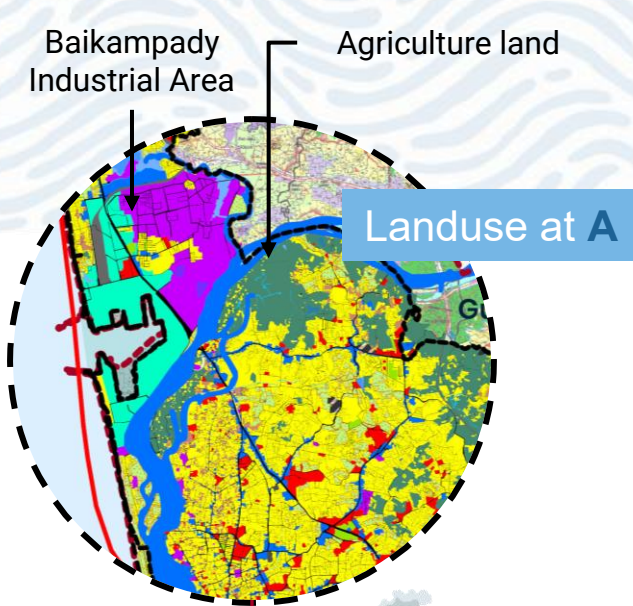
Kandelia candel



Sonneratia caseolaris



Bruguiera gymnorhiza



Mangaluru Planning Area



Area: 306 Sq.km



2011: 7,43,689
Estimated 2025: 9,39,341

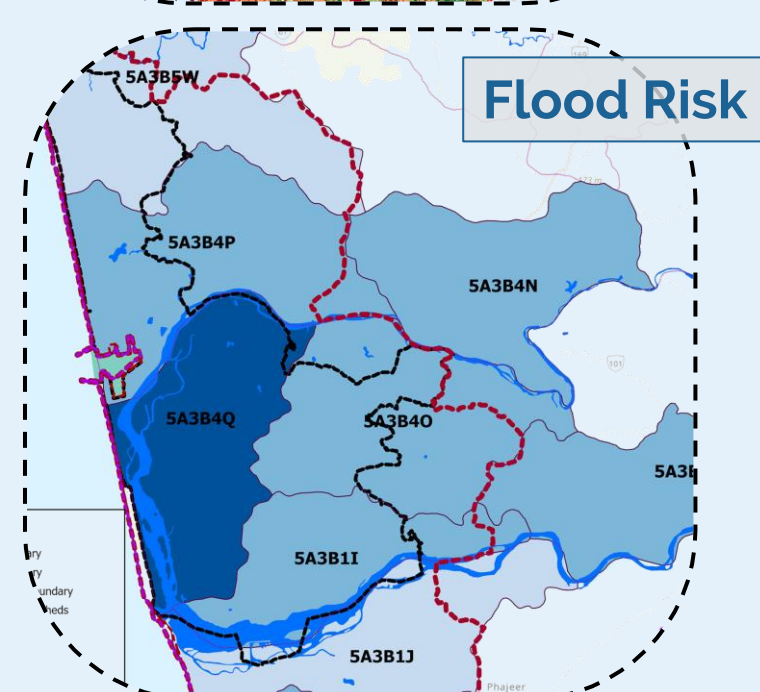
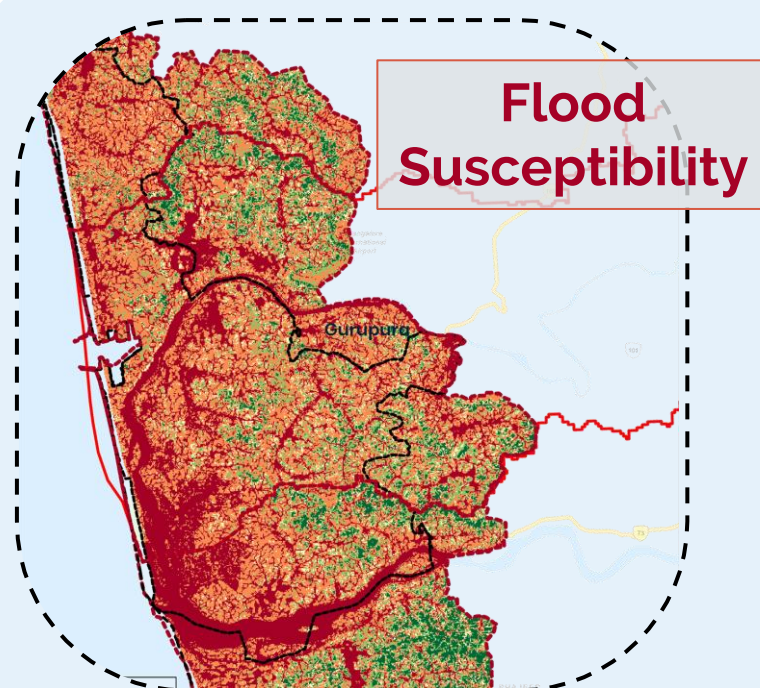
Mangaluru Municipal Corporation



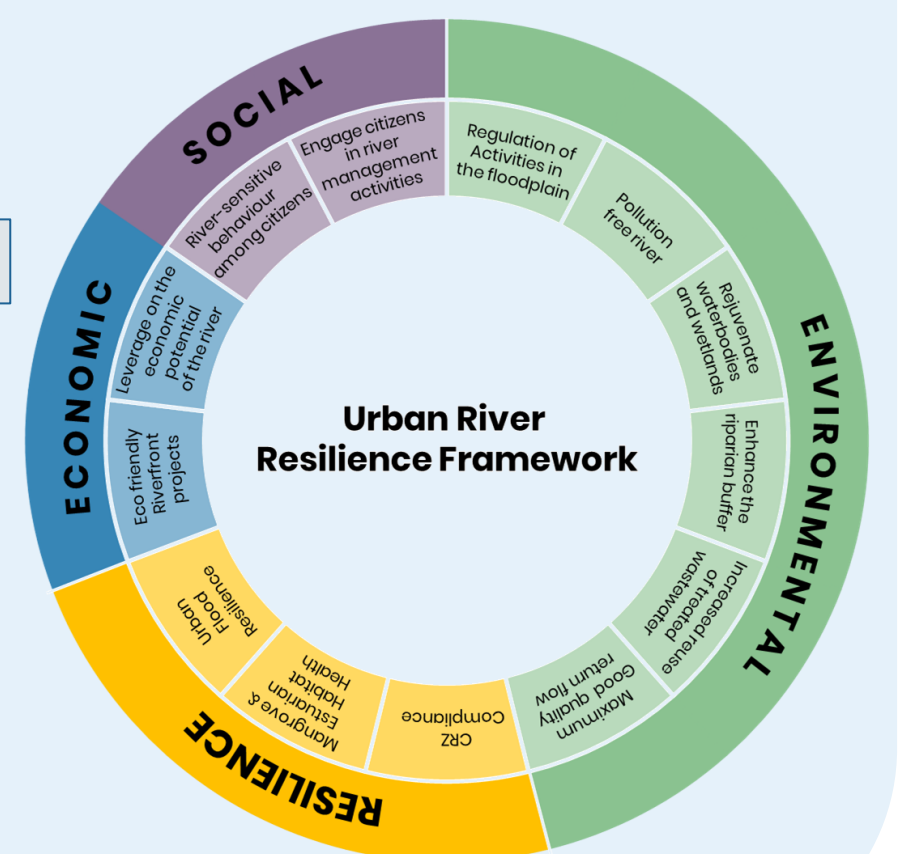
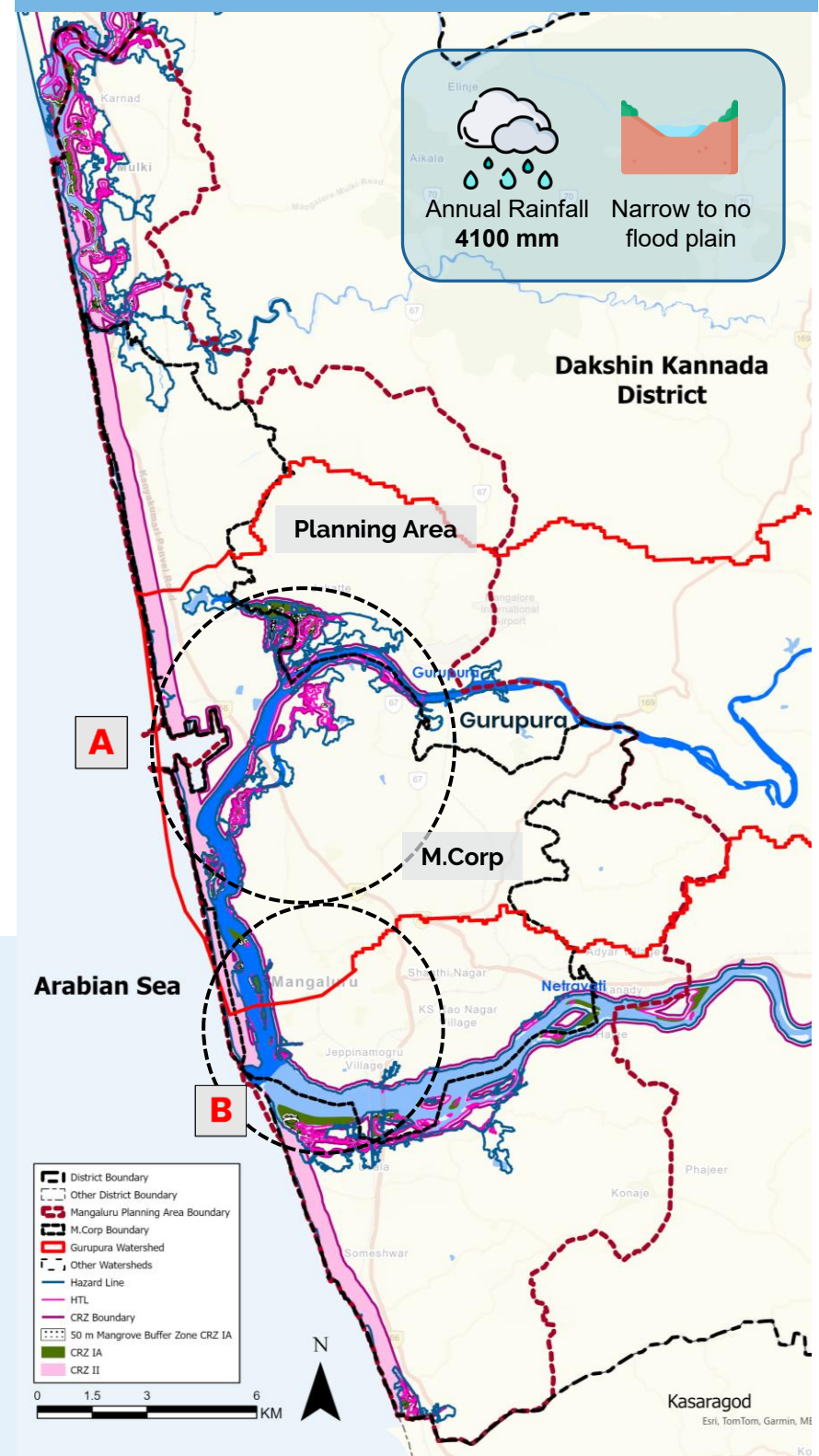
Area: 132.45 Sq.km



2011: 4,99,487
Estimated 2025: 6,43,852

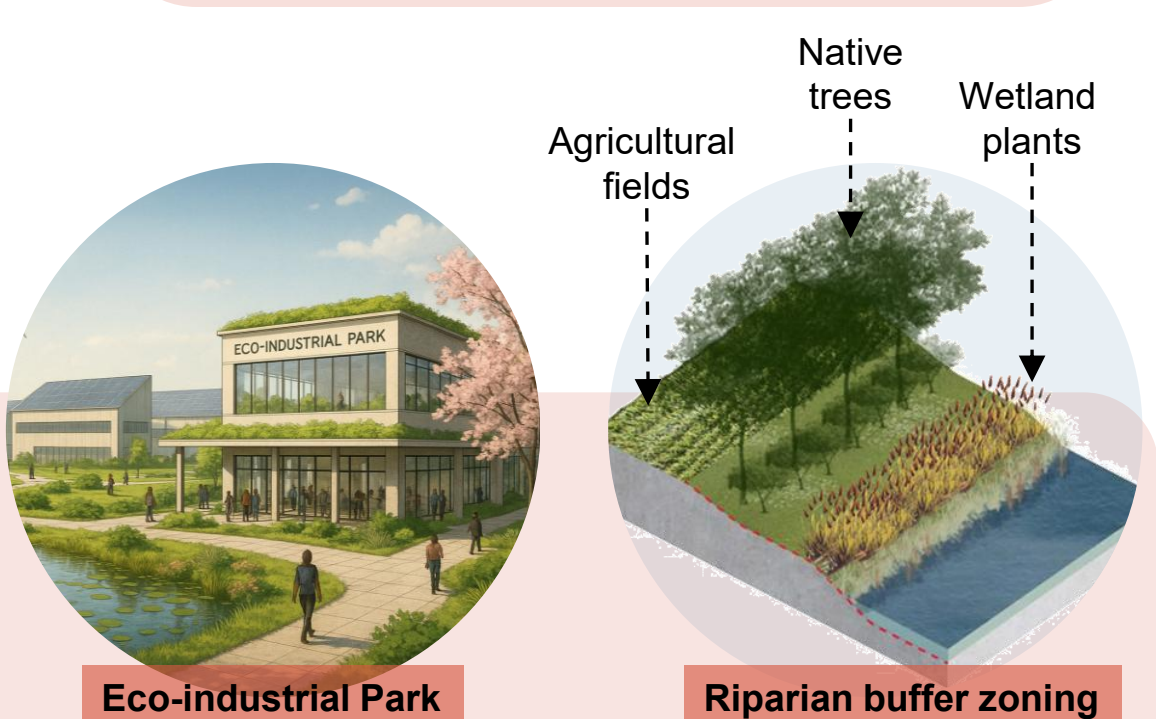


Coastal Regulation Zone

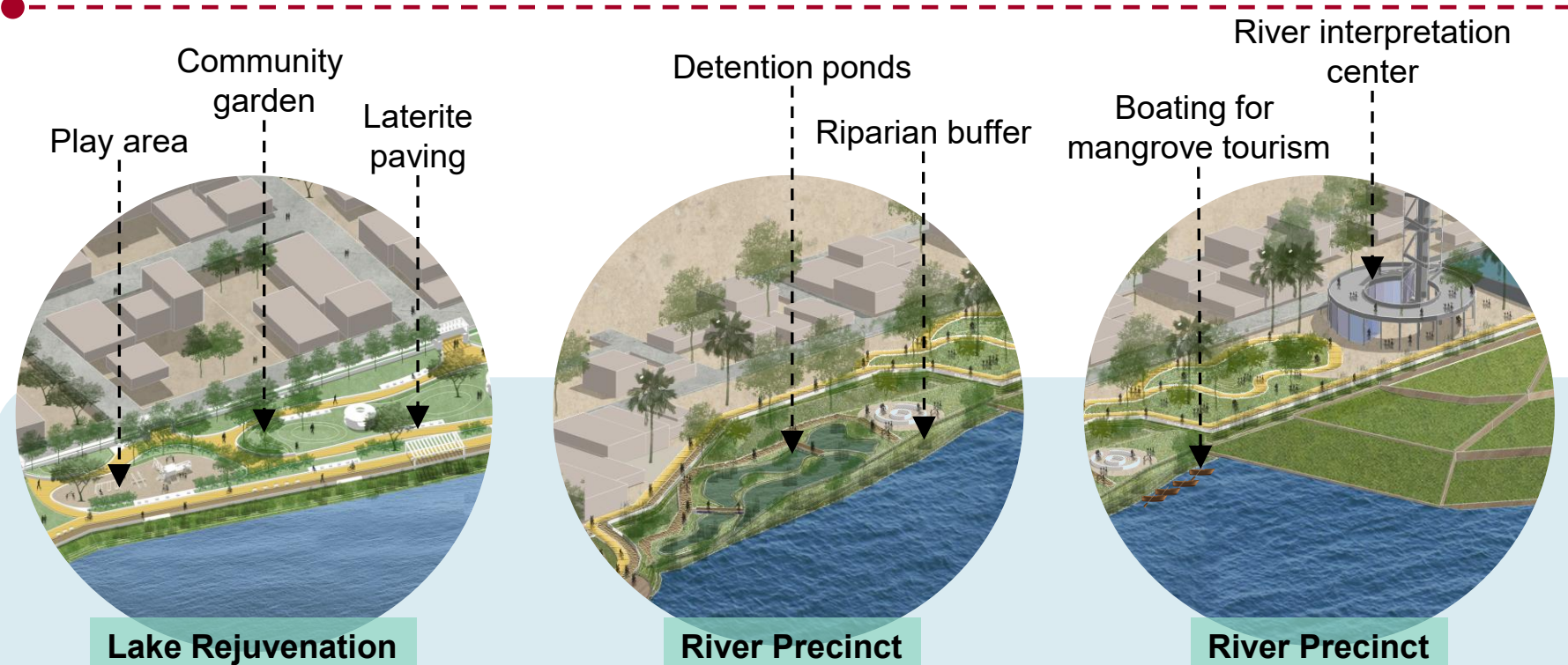


2,21,368 population affected within 31 wards

Analyzing floods & building resilience



Pollution reduction strategies



Flood reduction & resilience-based strategies