

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

**PRIORITIZING 'URBAN DRIVERS' RESPONSIBLE FOR POLLUTION IN GANGA RIVER BASIN AND ITS REVIVAL THROUGH POLICY FRAMEWORK AND EFFECTIVE COMMUNITY ENGAGEMENT : Case Study of Kanpur**

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Course Discipline: M. Tech. , Urban Planning

## PROJECT IDEA



To identify the Urban Drivers that are majorly responsible for river degradation and pollution.



To prioritize and rank the drivers through qualitative and quantitative analysis by applying Fuzzy Analytical Hierarchical Process (FAHP).



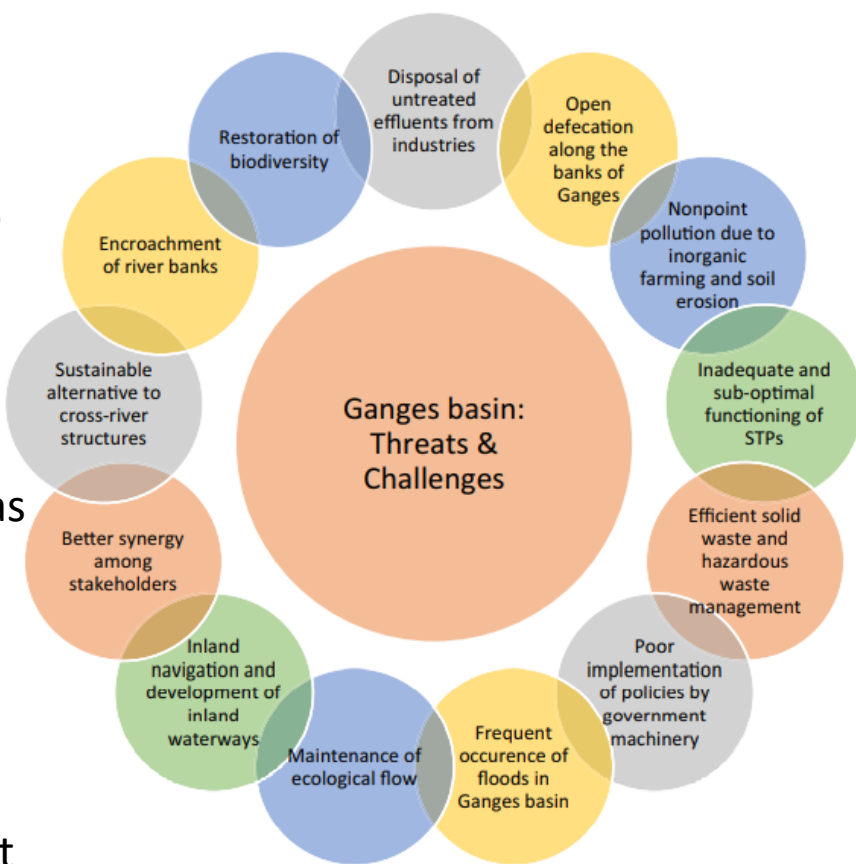
To frame the solutions, approach to tackle urban drivers and suggestions for unique planning approaches pertaining to Urban River Management Plan (URMP) for Ganga basin cities.



Inculcation of innovative techniques and strategies including designing of eco-sensitive River Ghats with active participation of stakeholders and community to overcome the limitations.

## KEY ISSUES

- Anthropogenic activities the riverine ecosystem is at stake.
- This has led to river turning into drains.
- Due to pollution the river has lost its self-cleansing capacity.
- The environmental implications will result in extinction of bio diversity and at later stage will impact human life in deleterious way.

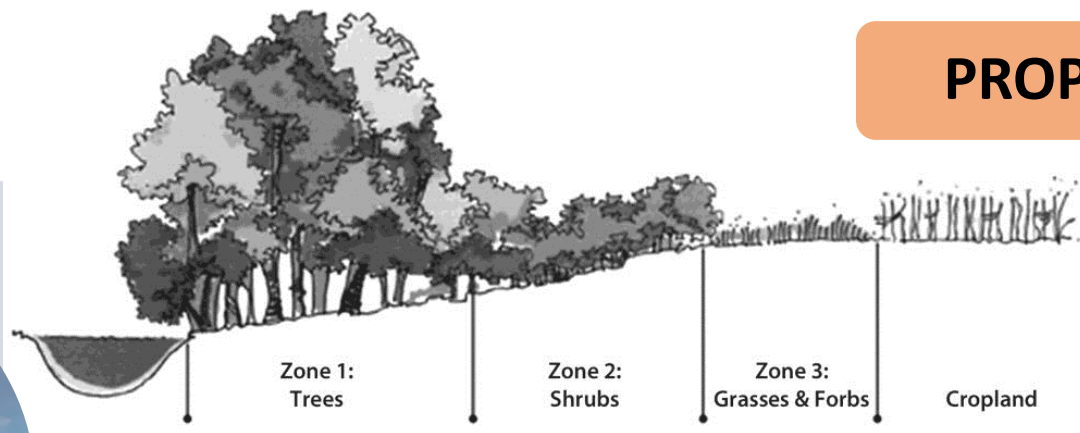


## WAY FORWARD

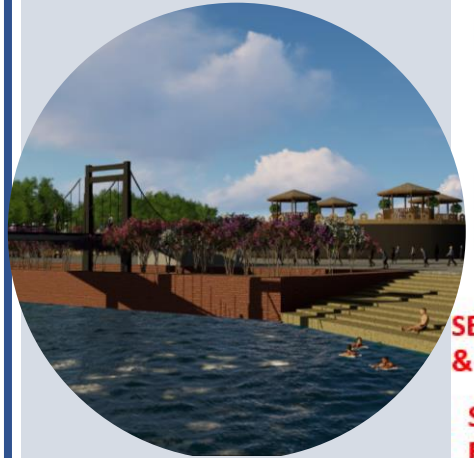
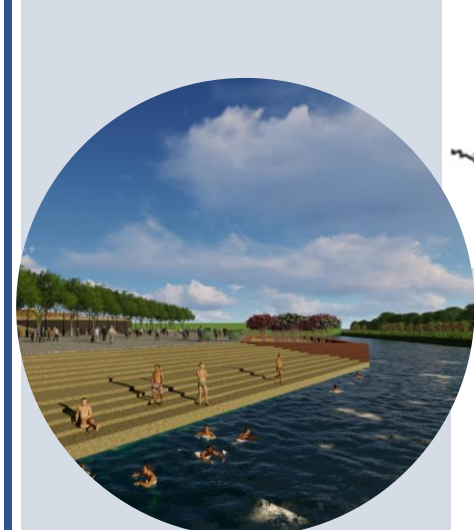
- Employment generation
- Boost in river economy
- Revenue generation through tourism
- Improvement in micro-climate
- Sensitized citizens for river centric activities



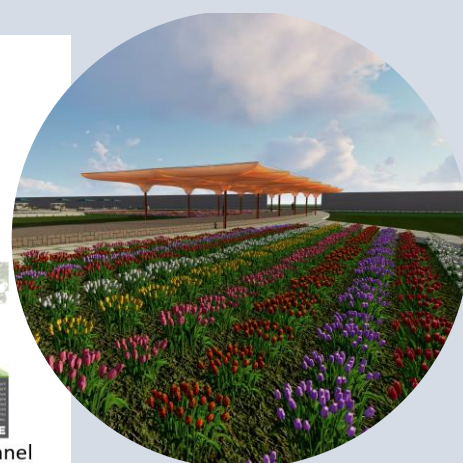
## PROPOSALS



A policy framework to safeguard the Riparian Zones. Streamside , Middle zone & Outer zone Policy for their determined width, activities permitted, restricted, type of vegetation & envisaged outcomes.



WALKWAY & CYCLE TRACK  
STREAM  
CONNECTING BRIDGE  
SEATING SPACES & GAZEBBOS  
SPACE FOR BIODIVERSITY PARK  
KIDS PLAY AREA  
CENTRAL PLAZA  
AGROFORESTRY



The proposals are with the domain of environment, economic & social cohesion. Community engagement: Planned activities for different age group to participate in developing this site.