



GREEN MOBILITY CORRIDOR
HUBBALLI DHARWAD SMART CITY LTD

Open ideas competition to design an
Iconic urban gateway

for the Green Mobility Corridor project
in Hubballi city





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About CITIIS

CITIIS program principles

CITIIS aims to foster sustainable, innovative and participatory approaches to build following four thematic categories of projects within the Smart Cities Mission:

1. Sustainable Mobility
2. Public Open Space
3. Urban E-governance
4. Social and Organizational Innovation for Low Income Settlement.

The Green Mobility Corridor: Rejuvenation of Unkal Nala project in Hubballi got selected under the public open spaces theme of the CITIIS program.

CITIIS (City Investments to Innovate, Integrate and Sustain) is the main component of the 'Supporting Smart Cities Mission for a more Inclusive and Sustainable Urban Development in India' launched by the Ministry of Housing and Urban Affairs (MoHUA) in July, 2018. The assistance by the French Development Agency (AFD) and the European Union (EU) focuses on strengthening institutions by committing resources to systematic planning (maturation phase) before implementation, by developing results based monitoring frameworks and by adopting technology for program monitoring. The Program Management Unit (PMU) at NIUA is responsible for the coordination and management of the project.

CITIIS aims to foster sustainable urban development, innovation and integration, relevance and feasibility and participatory approaches to build projects within the Smart Cities Mission (SCM). Smart City Special Purpose Vehicles (SPV) have been chosen through a challenge process and provided with financial assistance in the form of grant and tailor-made mentorship in the form of expertise for a period of three years. Fourteen mentors and experts from six countries bringing with them diverse experience in this field work with the selected 12 cities over a period of three years in all aspects of sustainable urban project delivery. It is spread across five stages of program ideation and conceptualisation, dissemination, roll-out, maturation and implementation. Through this technical assistance we

see a shift from capacity substitution to capacity building. The experts work with their cities to refine project quality in line with CITIIS principles of participation, integration, **and innovation. There is an emphasis on new strategies for partnerships and collaboration, gauging institutional capacity to be restructured while developing a framework for the SPVs.**

The program develops peer learning activities and cooperation between smart cities to enhance the capitalisation of best practices at state and national levels. Rooted in a participatory planning approach, the CITIIS program is piloting the creation of an enabling environment that would effectively and efficiently reflect upon citizens' aspirations. For this to happen, it is critical for local governments and implementation agencies to ensure effective communication with their citizenry, to inform, inspire, and engage them throughout the life cycle of the project.

Context

Vision for the Green Mobility Corridor project

To promote Non-Motorised transportation system in the city by creating "Green corridors and by linking the city across transit nodes". Extending mass transit urban transport systems connecting all modes of transport across the city's growth corridor; allowing seamless integration of NMT with the public transport system.

The "Green Mobility Corridor" proposed by HDSCL for Unkal Nala, is characterised by place-making approaches, enhancing the open spaces to benefit the residents of the adjacent neighbourhoods, to maximise public realm along the corridor and shared value of a place. The Green Mobility Corridor Project, comprises the rejuvenation of 9.50 km nala stretch of Unkal nala from being a mere storm water drain to a developed, holistic space for the community. The city at present lacks a central recreational space which is remedied by developing the parcel of land available along the stretch to include recreational zones, public amenities and facilities to enhance the status of people of the city. The initial 7.5 km of the Nala is of Unkal nala; at 7.5km, the Unkal nala outfalls into Bidnal nala and continues further up to the project boundary as Bidnal nala.

Green Mobility Corridor aims to achieve the following:

- Develop and connect the NMT corridor along the Unkal nala with the ongoing BRTS corridor, city central Bus station and Railway stations through the existing/ ongoing smart road packages in the area
- Decongest the market areas from vehicular traffic (about 1km strip from the nala area) by promoting NMT.
- Develop the entire area as a green corridor and increase the liveability aspects of the area; converting the existing unclean, inaccessible Nala into a vibrant public recreation space.
- Increase in Blue -green infrastructure along the nala for permeable surfaces and flood mitigation

Issues and Challenges to be addressed through the Green Mobility Corridor Project

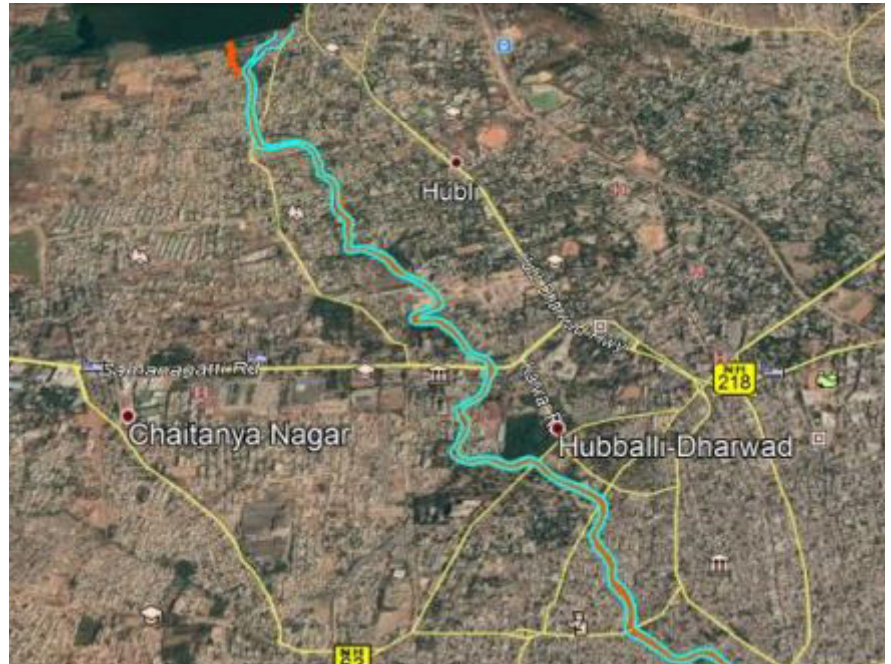
Core issues and challenges

- Increasing vehicles are creating traffic problems in the CBD
- Absence of a dedicated cycling infrastructure in the city
- Lack of city level recreation zone with multiple activities for diverse groups in the city
- Unkal nala is a storm water drain with inflow of sewage water at many places
- The drainage channel has been carrying polluted water throughout the city. The areas adjacent to the channel have become the backyard of the city because of water dumping.

The proposed project is also envisaged to address the following challenges of the city:

- Ability to cater the evacuation of storm water and reduce the flood risk.
- Onsite treatment of Nala water as per KSPCB disposal standard.
- Developing the landscape design and public spaces with a place making approach (public amenities like public parks, open gym, children's play area, amphitheatre, etc.).
- Creation of cycle track and walking track and health zone.
- Lack of a centralized recreation zone with multiple activities for various user groups in the city.
- Promoting NMT zone.

Key aspects of the Green Mobility Corridor project



1. Redefine development

Design the reinforcement of the water edge to prevent flood risk, to reduce the impact of the speed traffic by creating a buffer zone between water and city.

2. Mobility corridor

The main objective is to create a mobility corridor, the wellbeing of the citizens in a healthy environment, blending green and paved areas, linking neighbourhood units and regeneration of neglected areas.

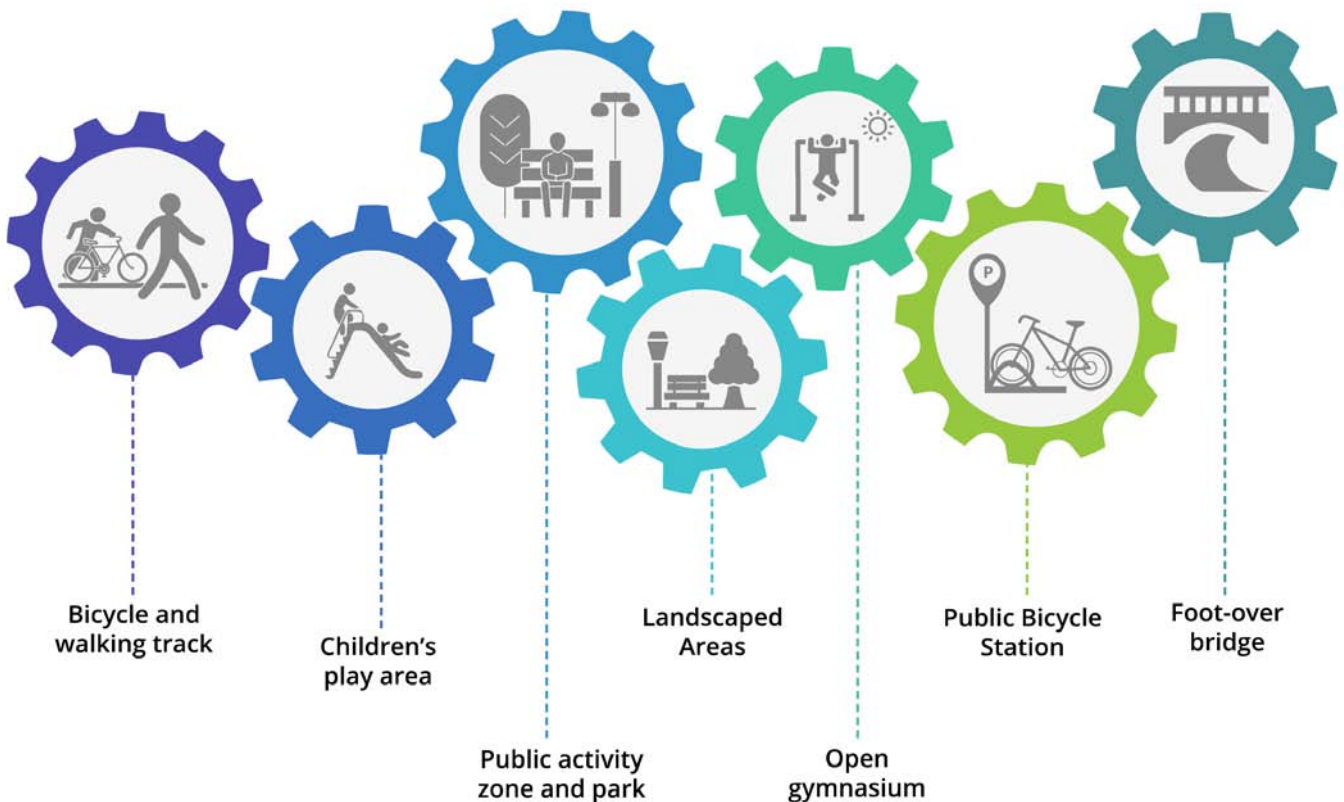
3. Connect / link

Connecting the paths along the highway to create a sequence of thematic spaces, linking the areas by bridges and roads, merging old crossing with new crossing.

4. Flood Management

Activate the waterfront, managing flood and sewage disposal, taking advantage of existing streets and converting into pedestrian routes and cycle tracks and directing them towards the waterbody. Reduce the paved surfaces through soil treatment to increase the permeability, stormwater management, allotment for the development of the new eco environment.

The Master Plan for the Green Mobility Corridor broadly looks at improving the infrastructure, socio-cultural services, economic and biodiversity value of the city. For which it has to address key issues of Flood risk, unchecked pollution of air and water, lack of public mobility, Safety, sewage mismanagement, poor biodiversity and degrading ecological nutrient flows. Apart from these more tangible issues, the project also aims to add value to the social life in the city by providing an accessible public space for all, reconnecting them to the city's natural resources and building a sense of ownership and belonging. The design components, elements and details capture both the cultural and ecological essence of the city to make the project specific to Hubballi.



The Challenge

The urban gateway is an entrance, a gathering place which acts as a transition between different spaces as well as a focal point for the people who inhabit and frequent these places. It is often used as a tool to connect different places and people while establishing edges and forming a focal point in itself. As such, the gateway must create legibility within the surrounding environment, allowing those who pass through it to easily understand their location in the context of the city as a whole. Some experts have stated that the “state of flow” is the foundation for gateway design. “A break in the continuity of the act of passage constructs” the meaning of the break itself. This break occurs as an individual goes through the passage, experiencing a divide in the environment into here and there (Caliskan, 2010). The gateway meaningfully interrupts ongoing flow to create an articulated environment with great distinction and character. Gateways are also meant to create a frame of vision for a person entering into the space while slowly unfolding the suspense of the space within.

Based on the conditions and challenges outlined, registered participants are expected to design an urban gateway for the ongoing Green Mobility Corridor project in Hubballi - Dharwad, Karnataka.

Key points

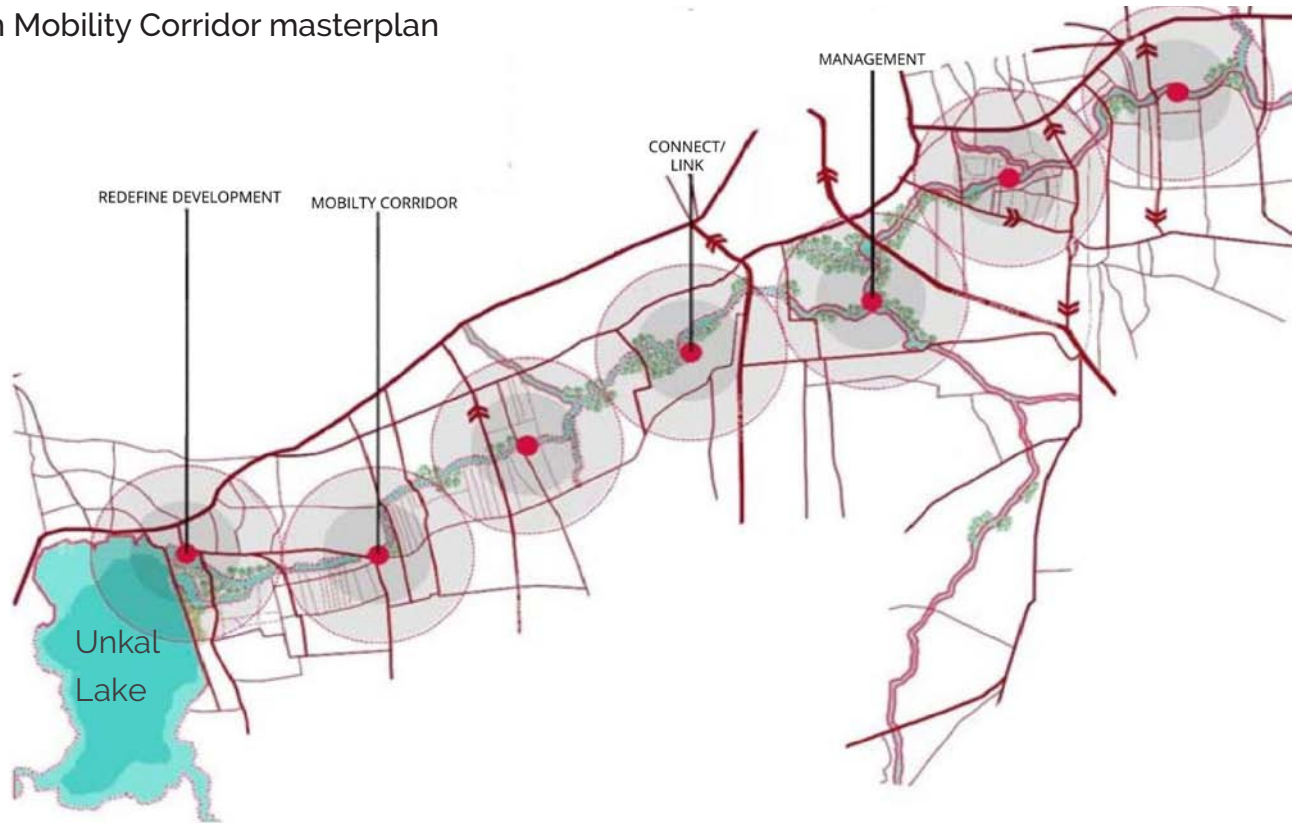
- Identify an exact location for the gateway element within the given site for the competition
- Impart legibility
- Reflect the local identity
- Propose a sustainable and innovative design solution
- Integrate with project principles and site context
- Height of the proposed gateway cannot exceed 10m

The Green Mobility Corridor project focuses on rejuvenation of the 9.25-kilometre-long Unkal Nala, from being a mere storm water drain to a developed, holistic space for the community.

The site for the competition is between bridge 9 (near High court) and bridge 10 (Gokul road) as located on the master plan.

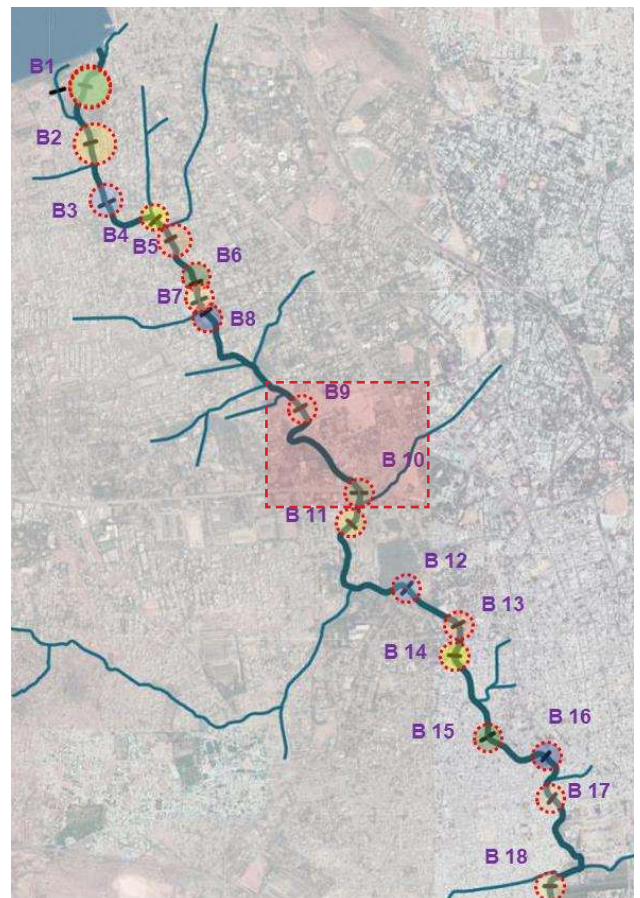
The gateway should mark the entry to the project area and also establish itself as an iconic city level landmark. The participants are supposed to identify a potential location for the gateway in the given site area as part of the challenge. The gateway should bear a strong character of the local identity for visitors and also create a sense of belongingness for the local residents. The design should follow an approach that is in line with CITIIS principles of innovate, integrate and sustain. It must also reflect a strong understanding of the local context and vision of the project. The height of the proposed gateway design should not exceed 10m.

Green Mobility Corridor masterplan



The various public space design components within the site extent are:

- Entrance plaza
- Herb Garden
- Outdoor gym
- Yoga space
- Orchard garden
- Amphitheatre
- Butterfly garden
- Meditative space
- Therapeutic garden
- Childrens play area
- Public bike sharing station

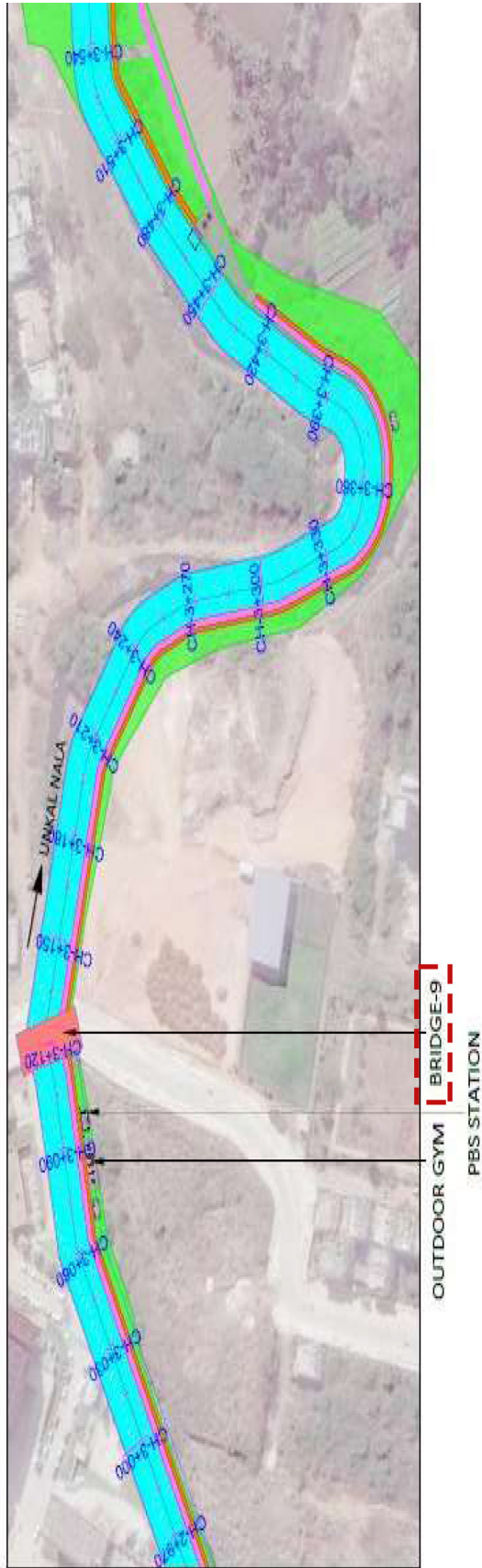


Site location for the competition

Project components from bridge 9 to bridge 10

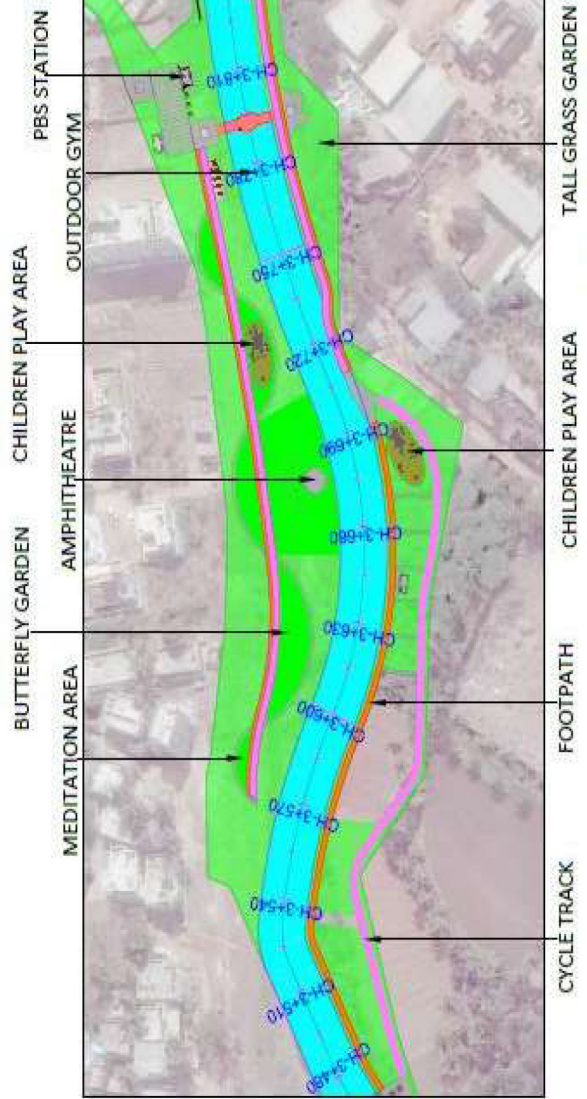
- Proposed project activities from Ch: 3000.00 to Ch: 3500.00

CH:3000.0 TO 3500.0



- Proposed project activities from Ch: 3500.00 to Ch: 4000.00

BRIDGE-10



Competition process

ELIGIBILITY REQUIREMENTS

- The competition is open for all Indian nationals above the age of 18.
- The Competition is open to architects, students of architecture, designers, engineers, recent graduates, and associated disciplines from in and around Hubli-Dharwad in Karnataka.
- Participation can be as individuals, a group of individuals, academic institutions, firms or organizations. However, teams should be made up of a **maximum of three members**.
- **At least one person in the team** must fulfil one of the following conditions:
 - i) Be a local resident of Hubballi city for at least 5 years
 - ii) Should have attained a professional degree from an educational institute in Hubballi,
 - iii) Should be a practising professional living in the city for at least 2 years
 - iv) should be a student currently pursuing a professional relevant course in an educational institute in the city.
- The registering team must also **attach a proof** of the above mentioned criteria along with the registration form

Scan the QR code below to register for the competition



REGISTRATION GUIDELINES

1. To ensure your participation in the competition, register by filling out the form at this link <https://forms.gle/cCU4rEzYPxhXBUrpg> or scan the QR code

Important dates

- Registration closes by 15th October 2021, 23:59 IST
- On 20th October 2021, 23:59 IST, the ideation phase ends with the submission of entries.
- On 1st November 2021, three winning ideas will be chosen and announced.

2. A confirmation email will be sent with a Code name for the participating team within 48 hours of completing and submitting the registration form. A link to a downloadable folder consisting of the following files will also be sent along with this confirmation mail.
 - Photo documentation of existing conditions
 - Perception survey results (PDF)
 - Details of the project and the components that are proposed for that area.
 - Base maps (PDF)
 - Base maps (DWG)
3. Registration forms without proper and full details will not be considered.
4. The team must attach a proof of being a local resident of Hubballi in the registration form which can be any one of the following:
 - An ID proof that has their local address
 - A proof of being a registered professional practising in the city for at least 2 years
 - A proof of having a professional degree from a college in Hubballi.
 - A proof of currently pursuing a professional degree in a college in Hubballi.
 - A proof of having lived in the city for a minimum of 5 years.
5. Please note that team members cannot be changed after the form is submitted.

TIMELINE

2nd October 2021	Competition is announced open
4th October 2021, 17:30 IST	Webinar launch of the competition
15th October 2021, 23:59 IST	Last date for registration
15th October 2021, 23:59 IST	Last date for receiving questions and clarifications pertaining to the competition brief
20th October 2021, 23:59 IST	Closing date for submitting entries online
28th October 2021	Selection of 3 winning entries by the jury panel
1st November 2021	Announcement of 3 winning entries

SUBMISSION REQUIREMENTS

1. Submissions must be composed on **two landscape oriented A2 sheets** (594 mm width and 420 mm height).
2. Any techniques of the team's choice - sketches, diagrams, 3D visualizations, physical model photos, CAD drawings, text etc.- is acceptable to convey the idea
3. Participating **team's code name** which was sent during the registration process must be mentioned in the bottom right hand corner of the sheet. Except for the team code name, the submitted sheet must not include ANY information that may give away the team's identity.
4. **A title for the proposal** must be included in both the sheets submitted.
5. **A 500 word (maximum word limit) summary text** explaining the project idea must be included along with the A2 sheets.

6. The summary text must cover the following aspects of the proposal:
 - How the concept of the urban gateway element is in line with the CITIIS principles and vision of the Green Mobility Corridor project
 - Innovative design ideas and materials being used in the design
7. Text should be written in **English and/or Kannada**.

The following files must be submitted by **email to gmc.hdscl@gmail.com** with the **Team code and name of the project as the subject of the mail**.

Note

The entire submission package should be received by email by 20th October 2021, 23:59 IST for the entry to be considered. Entries not adhering to any of these rules will be immediately disqualified.

<p>High-resolution PDF of the two A2 sheets showcasing the project idea.</p> <p>Both A2 sheets must be combined into one PDF file and suitable for printing.</p>	<p>Maximum file size of PDF: 20MB</p> <p>Name of the PDF file: *team code name*.pdf</p>
<p>150 dpi resolution JPEG of the A2 sheet showcasing the project idea.</p> <p>Suitable for web page viewing.</p>	<p>Maximum file size of JPEG: 1MB</p> <p>Name of the JPEG file: *team code name*.jpeg</p>
<p>Title and 500 word summary of the proposal in a Word document</p>	<p>Maximum file size of document: NA</p> <p>Name of the Word file: *team code name*.doc</p>

Prizes / Recognition

Note

- The winning team will receive a cash prize of INR 5000 and the idea will be taken forward, evolved and eventually implemented in the project area.
- The 1st runner up team will receive a cash prize of INR 3000.
- The 2nd runner up team will receive a cash prize of INR 2000.

1. The winning team would be given an opportunity to present their design to the Smart city Hubballi - Dharwad and the project core team
2. The winning team would be given an opportunity to present their design in a radio show in Red FM and give an interview with the RJ of the show.
3. All qualifying entries will be displayed in an open public exhibition that will be held during the inauguration of the pilot project stretch of the Green Mobility Corridor.
4. The top 3 entries would be put up on the HDSCCL website.
5. The prize money will be handed out to the team members along with merit certificates. The award ceremony will take place during the inauguration of the pilot project stretch of the Green Mobility Corridor.

Evaluation criteria

Proposals that satisfy the following criteria have a high possibility of getting shortlisted:

- Clearly articulates a solution to the challenge.
- Identifies a potential location for the urban gateway based on site analysis
- A design that responds to the local context yet establishes itself as a unique landmark
- Sustainable and environmental friendly design solutions that responds to the surrounding environment
- Innovative use of material that is also feasible
- Demonstrates a sound understanding of the vision and goals of the project.

Proposals that satisfy the following criteria have a high possibility of winning the top 3 prizes:

- Demonstrates a deep understanding of the site context through a design solution that is **well integrated with the Green mobility corridor project**
- Provides a solution that captures the **identity of the city**, the neighbourhood and its people
- Includes a **sustainable and innovative approach** towards the design including use of sustainable materials and construction techniques
- **Is feasible** for the project financially
- Is closely in line with the CITIIS principles of **innovate, integrate and sustain**

Queries, Disclaimer & Copyrights

QUERIES

In case of any questions related to the competition brief, please email us at gmc.hdscl@gmail.com with FAQ in the subject line. **Last date for sending in questions is 10th October 2021.** If relevant, questions received will be shared and answered on the FAQ page of the competition website for the benefit of other participants. Participants are therefore advised to check the FAQ page of the website for additional information from time to time.

Note

For more information visit
Competition website link:

<https://www.hubballidharwadsmartcity.com/news-events.html>

DISCLAIMER AND COPYRIGHTS

This competition aims to generate a range of design ideas for an urban gateway for the green mobility corridor project, Hubballi. The competition organizers will endeavour to further develop the concept of the winning entry and implement it as part of the project if found feasible.

There is no legal claim to the award of a prize money or corresponding assets. The submitted documents can not be returned. The participants of the competition declare to agree by submitting the competition entry that the contributions can be published in different media. Qualifying entries will be summarized in a public exhibition at the project location. Authors retain a copyright for their work. However, all submissions become the property of the associated entities of the Green Mobility Corridor CITIIS project, with the right to publish all or any part of the submitted material.



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