



# CALL FOR IDEAS

# designadvance

Liveable spaces for the **NowHere** people

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**"I was very scared. What kind of a disease is this? How will I manage with my small children here? Whatever happens I will never return to Surat again."**

*Durgabai, a migrant worker from Udaipur, Rajasthan, was recalling her experience during the Covid-19 lockdown in Surat, where she had migrated with her family to work as a casual construction labourer.*

*Source: BBC News, April 2020*

**In the current context of migrant labour unrest, a particularly interesting shift in vocabulary is sweeping government and media in Kerala. Instead of migrant labour, they are referred to as guest workers. From "anya-samsthana thozhilali" or other-state worker, the descriptor has shifted to "athithi thozhilali". With all its rich connotations of "Athithi Devo Bhava" (Guest is God), the mainstream media's adoption of such idioms will have a salutary effect on society as a whole.**

*Source: Times Of India, April 2020*

**"All of our challenges increased immensely after the lockdown", Amar Singh, an agricultural worker in Gorakhpur, who doubles up as a painter in Delhi, travelled 900 kilometers on a motorcycle, only for his village to chase him away. He talked about how the community 'collectively helped each other to survive' and said that he is staying at home during this difficult time even though 'in reality, he doesn't even have anything to call a home'.**

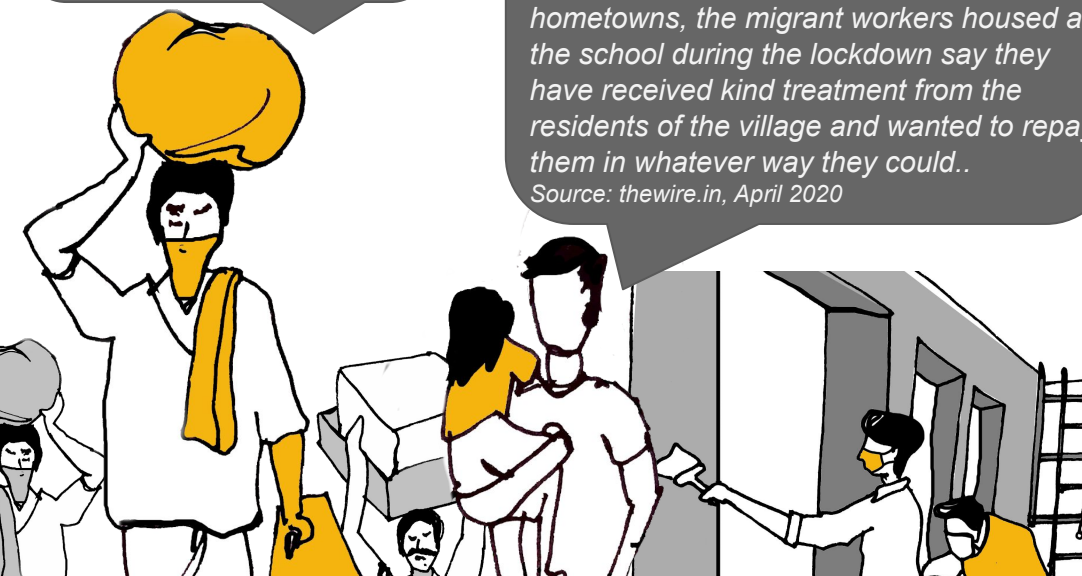
*Source: scroll.in, June 2020*

**Puneet, a street vendor from Panvel, lived in a slum settlement that was forcibly evicted in January 2020.**

*Source: medium.com/@yuvaonline, April 2020*

**As a display of gratitude, workers residing in a school-turned-shelter painted the building and renewed the premises in a village in Rajasthan. Enroute to their hometowns, the migrant workers housed at the school during the lockdown say they have received kind treatment from the residents of the village and wanted to repay them in whatever way they could..**

*Source: thewire.in, April 2020*



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## Introduction

The pandemic which is on the rise in the country since the end of February 2020 saw a sudden and stringent lockdown being imposed in March. In the initial months, stories of migrant workers took center-stage. These stories of suffering and hardship became the face of the pandemic in India's cities. Thousands of migrant workers in the informal sector found themselves deprived of jobs and shelter overnight.

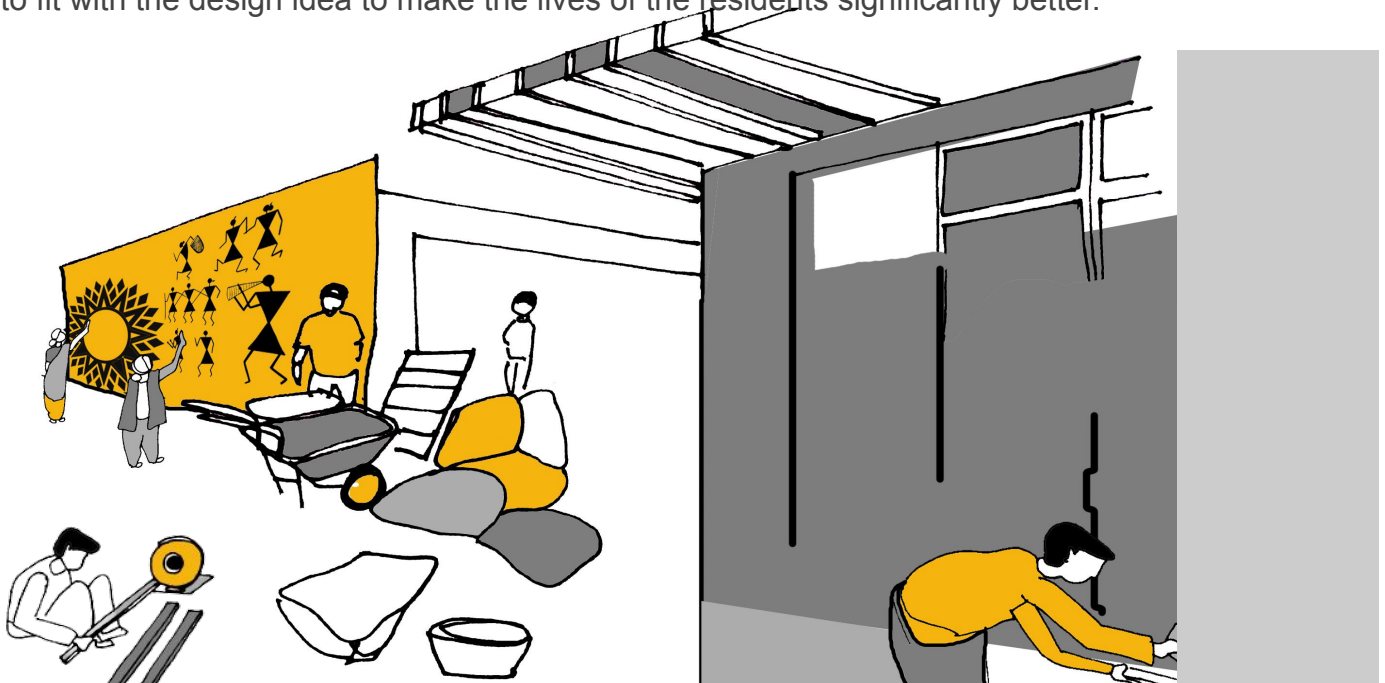
The cities that they helped build and run were now no longer their source of livelihood. With the fear of starving to death and the transport services halted, men, women, and children; young, old, or sick started their journey home on cycles, rickshaws, lorries, vans, water tankers, and even on foot. Some people travelled hundreds of kilometers, some had aid from the benevolent and some never made it.

## Designing for the 'NoWhere' People

As the world is slowly reopening, easing lockdown measures, everyone is adapting to the 'new normal', as we now call it. The pandemic has imposed major changes to our work and lifestyles, altering our views and priorities. While we cannot foresee the future, we can definitely say that the modifications brought about due to this pandemic are here to stay for longer.

This is a **call for interventions** to design liveable spaces that are adaptable, resilient, and innovative.

On a **micro** level, deliver a design that conforms to the idea of a sustainable shelter unit. The competition also pushes forth the idea to explore community spaces within clusters of shelter units on a **macro** level - schools, training units, social gathering spaces, or any other program that seems to fit with the design idea to make the lives of the residents significantly better.



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Whether you choose to work on a bottom-up or a top-down approach for the workflow on the site, you may choose to explore the design process on the **Autodesk BIM Platform - Revit**. You may choose to use **Autodesk tools** like Formit, Insight, Dynamo, and others in the development and representation of the design proposal.

The **need** for liveable shelter spaces for migrant workers and their families is now more important than ever. Identify the types of migrant workers you would be designing for - domestic helpers, street hawkers, sanitation workers, taxi/cab drivers, construction labourers, etc or even a combination of the groups. Empathize with the user group/s and understand the program of the design intervention. The approach to the process needs to be human-centric, with specific design solutions to promote **dignity, security and safety** of all the residents. Key points to consider would be the mental health impact of the design, safety of the women and children, inclusiveness of all groups, universal access, and also the modularity of shelter units - which allow for personalisation by the residents. The temporality of the need as may be the case would also need to be designed for.

The **design** focus of the shelter needs to be on sustainability. With architects and designers realizing the importance of resilience in structures, smart solutions that integrate services like water supply and electricity with the overall design will be preferred. The fast-paced changes in technology and lifestyles have also brought about a significant need for change in the current design formats on micro and macro levels.

The **efficiency** of the built structures in terms of the overall economy and sustainability shall be vital to bring developers on board with the idea of providing shelter to this vital segment of our population. The component of material investment also needs to be analyzed carefully keeping in mind the context, and maintaining the wastage to a minimum. The longevity and replicability of the proposal is also vital.



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The design process needs to adopt a **holistic approach**, taking in all the tangibles and intangibles while integrating them into a cohesive and effective solution. Such real-time holistic approaches are usually implemented from multiple standpoints at the same time: the users, the location, the function, the budget, the structures, the materials.

## The Site

**The site** for the design can be a maximum of **3 ha** in area. The site can already have a built mass on it and the intervention can be worked around the existing structures. Alternatively, a site that is allotted for housing/development can also be chosen. The **bye-laws and NBC guidelines** should be applied accordingly. The scope and scale of the proposal i.e. No. of Workers/Families, No. of Dwelling Units, Clusters, Common spaces need to be identified and defined.

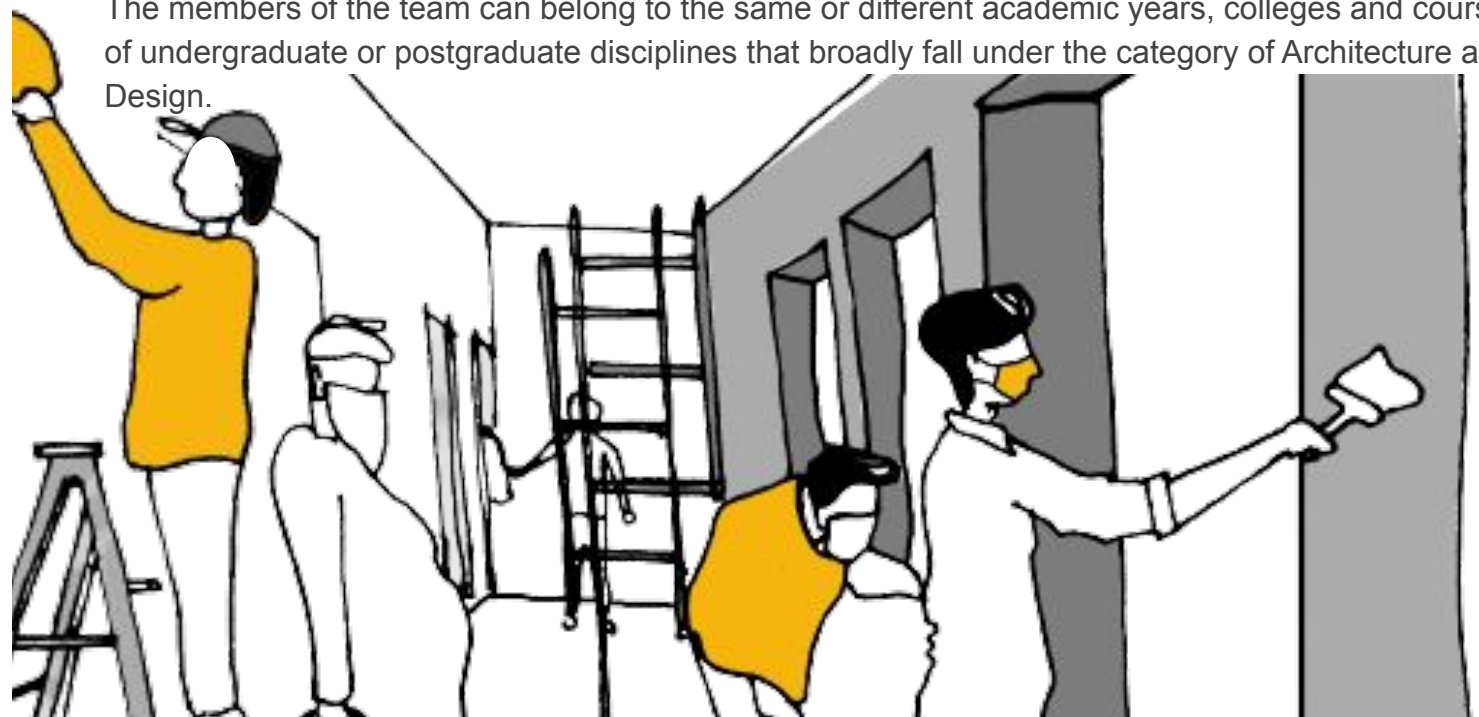
## Eligibility

Open to all undergraduate and postgraduate students of Architecture and Design across the country. (Anyone who is a student of Architecture and Design at the time of registration is also eligible to participate, including graduates of 2020.) The competition is open to civil engineering students, provided the other member of the team of two is an architecture/design student.

## Team Composition

A maximum of two members per team is permissible.

The members of the team can belong to the same or different academic years, colleges and courses of undergraduate or postgraduate disciplines that broadly fall under the category of Architecture and Design.



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## Awards

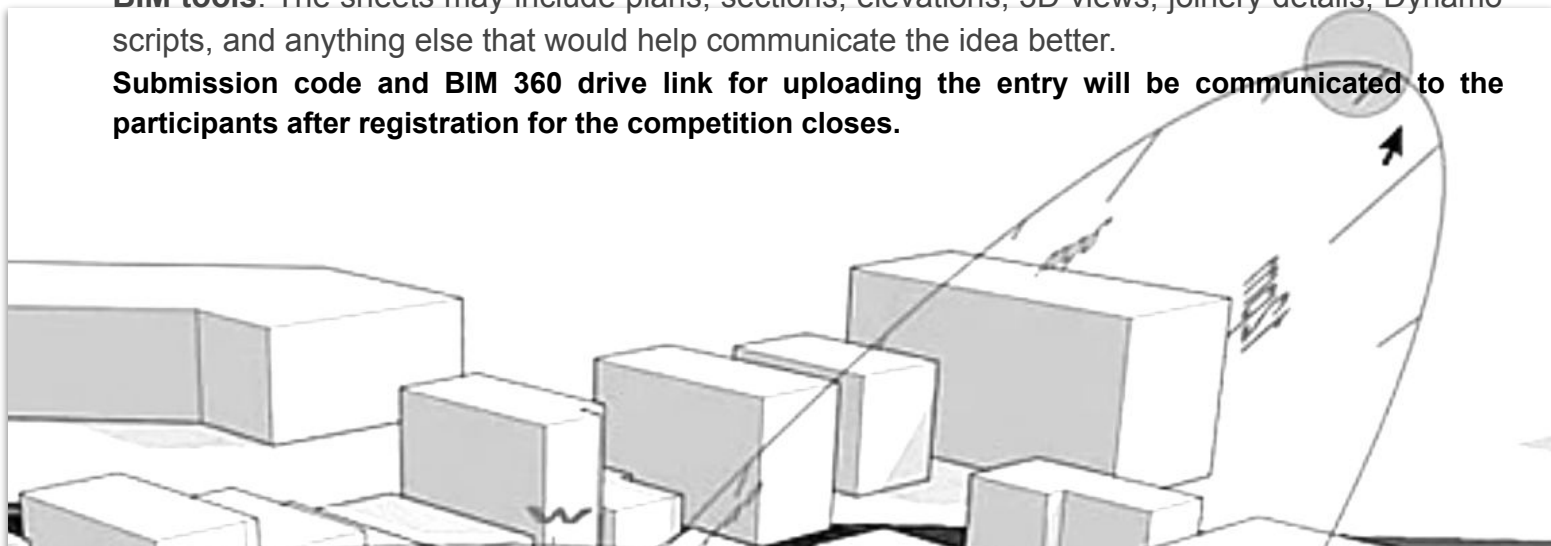
- Cash Prizes for the top three winners:  
1st: Rs 75,000/- ; 2nd: Rs. 50,000/- ; 3rd: Rs. 25,000/-
- Top 10 entries to be published as a Book/Journal.
- Top 10 winners will get free entry to BIM for Design Implementation Program for Architects worth Rs 50,000/-
- All participants who have submitted the entries will get a discount voucher of 40% on the BIM for Design Course.
- Placement Assistance for participants.
- E - Certificates for all attendees of the workshop.
- E - Certificates for all participants who have submitted competition entries.

## Submission Requirements

- A statement defining the problem, context and the choice of site in one A4 sheet as a pdf.
- 5-7 Graphical Slides in 16:9 ratio, with the design process and the drawings (plans, elevations, sections and views) in a suitable graphical scale.
- A recorded presentation of under 5 minutes duration explaining the project shall be included in the submissions.
- Letter of declaration signed by the participant shall be included. (Format attached in the annexure of the brief)
- Acknowledgment of references used for case studies and design ideas that have been adapted from sources. All entries shall be scrutinized for evidence of plagiarism.

The submissions need to clearly document the design process. It is recommended, though not mandatory that drawings/ graphics be developed using **Autodesk Revit** and auxiliary **Autodesk BIM tools**. The sheets may include plans, sections, elevations, 3D views, joinery details, Dynamo scripts, and anything else that would help communicate the idea better.

**Submission code and BIM 360 drive link for uploading the entry will be communicated to the participants after registration for the competition closes.**



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## Important Dates

- Registrations open: **08.01.2021**
- Registrations Deadline **28.05.2021**
- Submissions Deadline: **11.06.2021**

## Evaluation Criteria

- The **site** and the **user group** chosen.
- The **necessity** of the project/intervention at the site, and **integration of the project with the site**.
- The **functionality, clarity and organisation**/planning of all the various elements worked on for the micro and macro level intervention.
- The **scalability** and **replicability** of the units in the micro level design intervention.
- The **innovation** factor for the design intervention..
- The proposed **materiality and construction** aspects.
- **Environmental and social sustainability** and **humane approach** to design.
- The overall **concept**, coherence and **graphical expression**.
- The integration of **Autodesk Revit** is recommended throughout the design process right from the conceptual stage to the final graphics, and the use of auxiliary toolset.



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## LETTER OF DECLARATION

The entry submitted by us for **Designadvantage: Liveable Spaces for the NowHere People** is our original work and any ideas cited or borrowed have been given due credits and due permissions have been taken for the same. All submitted information regarding the project site is true to our knowledge.

By submitting this entry, we hereby have no objection to Capricot in association with Autodesk and Ethos using our entry for publicity purposes with due credit given to us for the design.

Our final submission includes:

- ☐ Final Presentation Sheets
- ☐ Revit model of the project
- ☐ A recorded presentation of under 5 min duration
- ☐ Student ID/ Bonafide certificate from College
- ☐ Signed declaration form

### Team Member 1

Name:

College:

Year of study:

E-Mail ID:

Phone No.:

Signature:

### Team Member 2

Name:

College:

Year of study:

E-Mail ID:

Phone No.:

Signature:

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