

DESTECH Challenge

2020

63rd
YEAR

The Covid-19 crisis is bringing to light many global and local issues. Our health and wellbeing as a society, our resilience as local communities and the role we can collectively play to a difference. Many, facts and figures are being generated to guide the response to the global pandemic. Data can help to make informed decisions, give a sense of scale to our problems and communicate our stories in an effective way. Data guides the process of design of solutions, policies and help to measure if we are meeting our Sustainable Development Goals in our cities. The question is how does this apply to built environment professionals where a lot of what we do is qualitative design?

DesTech Challenge 2020 is a unique challenge that will take you through the journey from **DATA to DESIGN**. A challenge where the inputs from each participant is valued and used to communicate a powerful message through a shared '**DesTech Healthy Cities Platform**'. The focus for this year is the importance of '**Open Spaces**' in our urban areas. The ambition is to compare how different cities are performing in the amount and quality of open spaces they provide. The data will be used to derive insights and support your design process for targeted interventions for your selected area.

5 Steps from Data to Design

1. Participants together will crowdsource data of open spaces from 30+ cities
2. The DesTech spatial analyst team will analyse and visualise this data to bring out the key insights of open space provision for individual cities.
3. Participants will interpret the city specific analysis and produce local design interventions for the improvement of open spaces
4. The DesTech team will attempt to link this crowdsourced data to United Nations Sustainable Development Goals and produce an open source dashboard comparing different cities through the 'DesTech Healthy Cities Platform' as a combined output of the process.
5. All participants will be credited for this output.
The winners and shortlisted design entries will be showcased on the open source digital platform.

Awards

- All participants will be credited for their contribution to the 'DesTech Healthy Cities Digital Platform'
- Shortlisted entries will be showcased through the platform.
- Three winning entries will receive cash prizes of the value of £150, £100 and £50 respectively
- * City with the best quality crowdsourced data (all participants within the defined area will receive this award)

Phase 1

July- August 2020

- Crowdsource data
- Tutorials on deriving spatial data

Phase 2

August – September 2020

- Data analysis : DesTech Team
- Expert session on deriving insight from data and visualisation
- Expert session on Sustainable Development Goals.

Phase 3

September – December 2020*

- Student Design Intervention **January 2021**
- Launch 'DesTech Healthy Cities Platform' open source online Dashboard with shortlisted entries: as a combined output of the DATA to DESIGN process

Registration Deadline: 11th July 2020 (Through NASA India)

Multiple entries from colleges with a max. of 4 team members are permitted

Submission Requirements

1. Crowdsourced data for a part of city identified by the DesTech team. A full set of instructions and supporting tutorials will be provided after registration.
2. 2 A1 size portrait panels of the design intervention for an open space within the selected area.
3. 1 A4 size 500 words on the insights drawn from the data analysis to inform your designs.

Learning Platform

Participants from all year groups will receive support through our Learning Platform which will include

- Virtual/ pre recorded tutorials on crowdsourcing data through open source QGIS
- Virtual sessions from experts on United Nations Sustainable Development Goals
- Curated research material and newsletters
- Virtual sessions from experts on how to derive insight from data analysis
- Sessions with the DesTech team of experts to share your emerging design ideas



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