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SRM SOCIETY OF CIVIL ENGINEERS  
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INDIAN CONCRETE INSTITUTE PRESENTS

# CONCRETUS 20'

NATIONAL LEVEL TECHNICAL FEST

## CONSILID

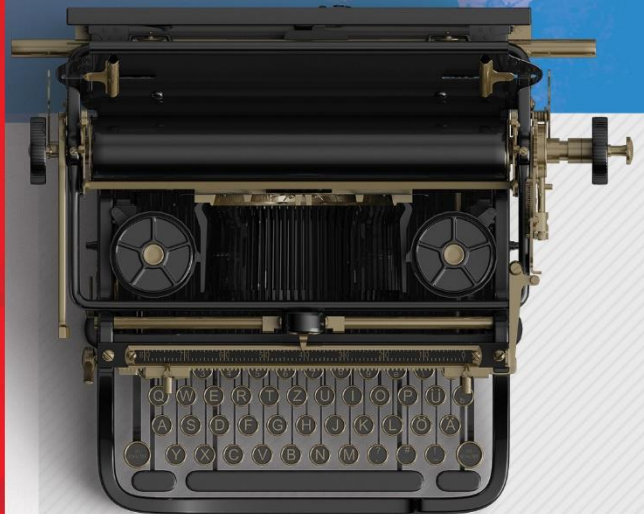
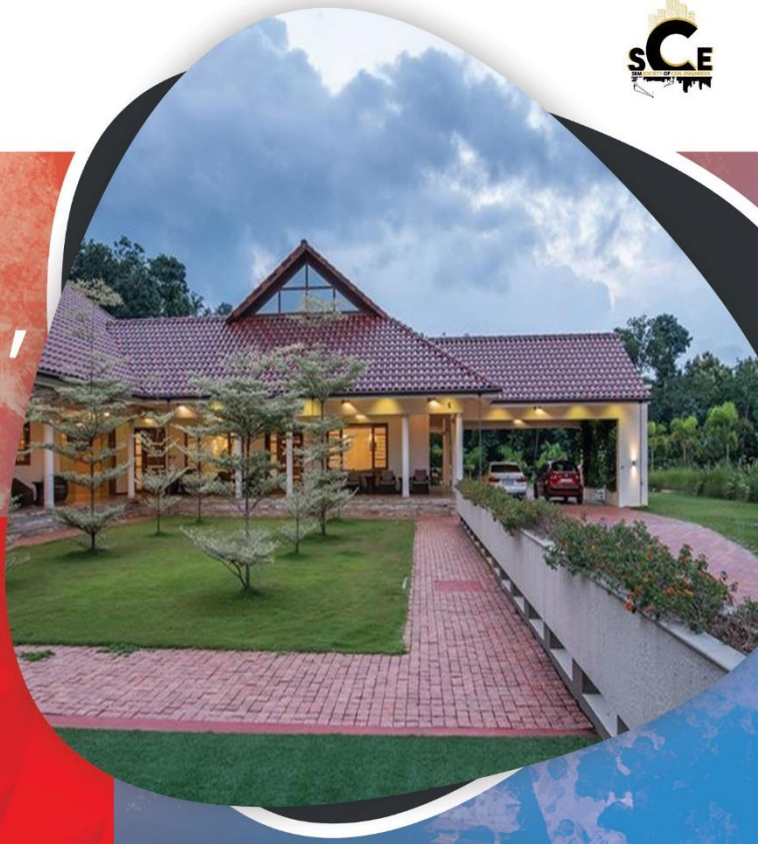
Competition Domain: **Architecture &  
Civil Engineering**

Title: **Resilient Homes**

**Abstract: One of the basic needs is a home. It provides a man, shelter, pride and status in a society. Dream of a common is to have an own house which last for years. Natural disaster is the one that shatters the dream, devastating the structure and sometimes causes the loss of human life and it is often the poorest that suffer the most from these shocks.**

**As persons who are wholly accountable for the construction of buildings where we dwell, live and recreate ourselves, it is our sole responsibility to design structures that can withstand disasters of any sort.**

**So, this design competition is the call far for designing a resilient house of 800 sq.ft that cost around Rs 5 lakh only for a family of 4 people. Three disasters scenarios are considered like earthquake, cyclone and flood. The structure can withstand one disaster or three disasters mentioned.**



## THE OUTPUT

- Participants would be able to develop a structure that can with-stand natural disasters.



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SRM ICI Concretus 2020



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## **CONSILID - RESILIENT HOMES**

### **A design competition for architecture and civil engineering students**

One of the basic needs is a home. It provides a man, shelter, pride and status in a society. Dream of a common is to have an own house which last for years. Natural disaster is the one that shatters the dream, devastating the structure and sometimes causes the loss of human life and it is often the poorest that suffer the most from these shocks.

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### **Design program**

1. Students can select their own site in any part of our country that is prone to any of the above mentioned disasters. The site dimension of 30ft x 40ft and longer side being north and building norms should be considered according to the particular locations.
2. Detail of drawing Building Plans (1:50), 2 Sections (1:20), 2 Facades/Elevations (1:50) and Site Plan (1:200)
3. If your design requires non-traditional construction techniques, please provide construction drawings (1:20), construction options and recommendations for construction phasing of individual home
5. Schedule of Rates (.XCL, XCLS): The schedule of rates is supposed to be a list of materials used and their respective cost.
6. Three to four members in a team are allowed, including one architecture or one civil student.

**NOTE: The problem statement will be given on the spot and the event will run for 6 to 8 hours.**