AAVARTAN'19



VIGYAAN PROBLEM STATEMENTS

(Department of Architecture)

Problem 1

FURNITURE DESIGN

VIGYAAN AAVARTAN'I 9

During different fests at the campus the registration desks and sponsor desks are something which lacks innovation.

The challenge is to design a Transformable Furniture so that it can be used in different ways like for seating, display, registration, etc.





- The furniture must have more than one purpose.
- The choice of material must be justified.
- The design must be such that it can be made in 1:1 scale.
- All the necessary details such as joinery and operation manual must be illustrated in the form of sketches, 3D drawing.
- The required drawing is to be submitted in the form of scale drawings (Elevations, Plans) \$ 3D models.

CYCLE STAND DESIGN

VIGYAAN AAVARTAN'I 9

Propose a design for a cycle stand in front of the main building and beside the Architecture Department to provide a solution for lack of space for parking cycles in the college.

The cycle stand must provide shade from rain and sun.

- · Concept behind the design.
- Illustrations to show the design and layout.
- Required drawings must be in suitable scale (plans, elevations, views)
- The choice of material must be sustainable.



SHED DESIGN

VIGYAAN AAVARTAN' 19

Security plays a major role in running a campus to its good extent and our security system is doing that job amazingly.

The challange is to design a shed/canopy for our security guards to protect them from harsh weather conditions so that they can do their job constructively.



REQUIREMENTS:

- Concept behind the design.
- Illustrations to show the design and layout.
- Required drawings must be in suitable scale (plans, elevations, views)
- The choice of material must be sustainable.

Location of the shed should be justified within the campus.



KIO5K DESIGN

VIGYAAN AAVARTAN' I 9

Design a klosk for the juice parlour where students can have snacks, sit together and relax. The seating arrangement must be such that it promotes interaction.



- Concept behind the design.
- Provide illustrations to show the design and layout.
- Required drawings should be submitted in suitable scale (plans, elevations, views).
- The choice of material must be sustainable and recyclable.

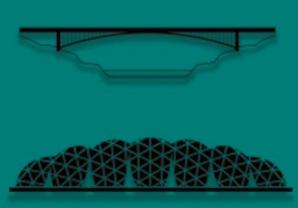
STADIA DESIGN

VIGYAAN AAVARTAN'I 9

The design problem aims to develop a seating cum performing tier for the NIT campus main ground which serves as a space for audience, keeping sporting goods, and as a connecting

space between the players. The provision of such space is necessity when considered in space-interaction, space character generation.

Site Location- The site selected on ground should be justified with considerations and justification.





- Concept behind the design
- Justifications
- Drawings (Plans, Sections, Elevations, Sketches)
- Materials Used
- Anthropometrics and Ergonomics should be kept in consideration.

