

AAVARTAN'19



VIGYAAN PROBLEM STATEMENTS

(Department of Architecture)

Problem 1

FURNITURE DESIGN

VIGYAAN
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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.



REQUIREMENTS:

- 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.



Problem 2

CYCLE STAND DESIGN

VIGYAAN
AAVARTAN'19

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.



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.



Problem 3

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 challenge 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.



Problem 4

KIOSK DESIGN

VIGYAAN
AAVARTAN'19

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



REQUIREMENTS:

- 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.

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Problem 5

STADIA DESIGN

VIGYAAN
AAVARTAN'19

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.



REQUIREMENTS:

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

