

Template for Design and Team Building Activity

Name : Ritesh Jha

Class : P4(IT)

Roll No. : 17

Statement Given:

Build a Tower using appropriate material which is stable and stands on a surface. Make it as tall as possible. Minimum wastage of materials is expected.

Evaluation Criteria :

1. Height of Tower
2. Stability of the Tower
3. Use of Material

Performance-15 Marks

Submission-10 Marks

Team

Sr No	Roll No	Name	Hobbies of the person
1	16	Ritesh Gorule	Cycling, Listening to Music
2	17	Ritesh Jha	Photography, News-reading
3	18	Ritwik Mohanty	Sports
4	19	Riya Amin	Swimming, Painting
5	20	Rohan Jobanputra	Reading

Fill your details as per following points

- **Requirements**

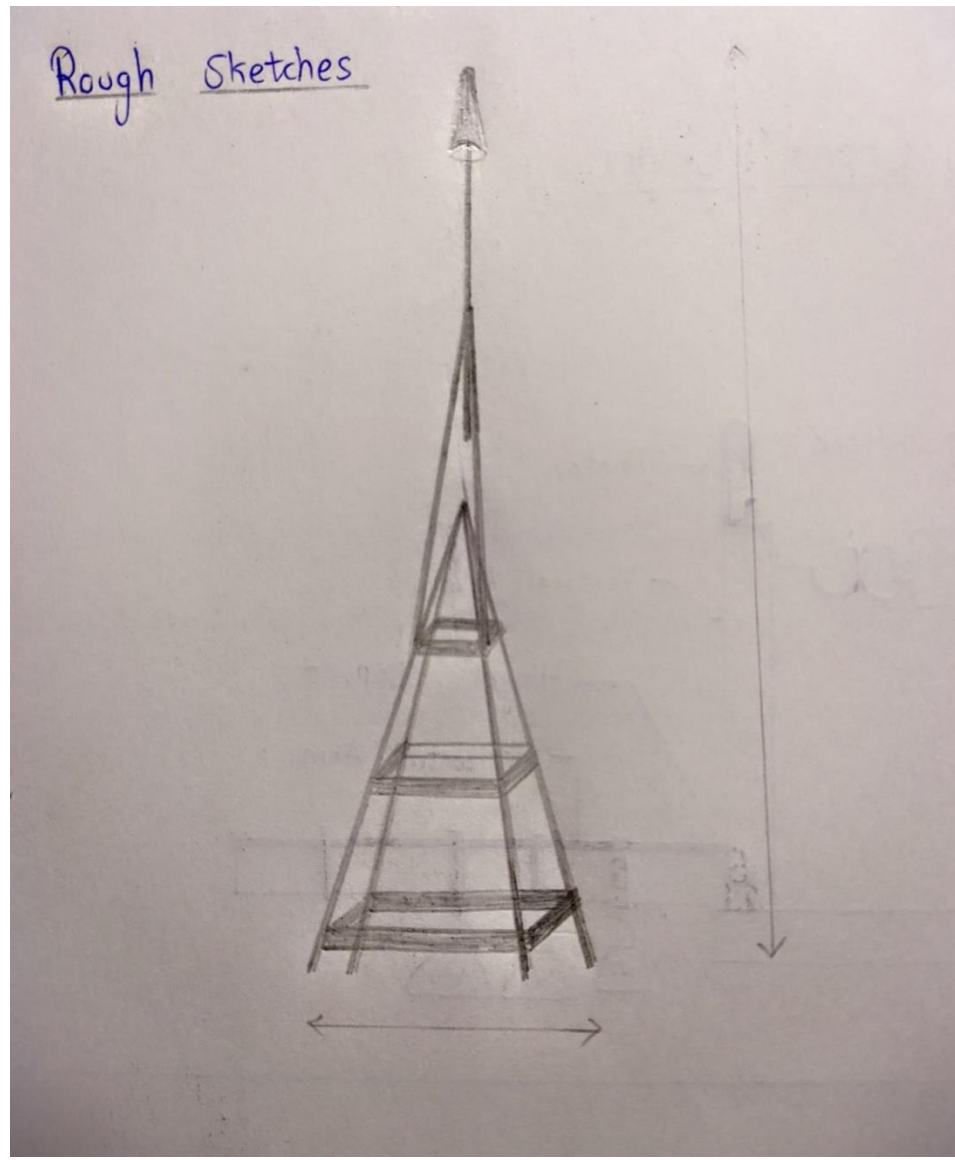
For our paper tower project, we gathered the essential materials: newspaper, tape, and scissors.

Newspaper provided a lightweight yet sturdy building material.

Tape was used as an adhesive to hold the structure together, and scissors helped us shape and cut the newspaper into various components.

These materials were chosen for their suitability for the task.

- **Rough Sketches**



- **Discussion and Selection of Design**

In our team, we discussed various design options for our paper tower.

We considered factors like stability, height, and material efficiency.

After careful deliberation, we chose a triangular design as it distributes weight evenly and offers stability.

We divided tasks among team members, ensuring everyone contributed to the construction process.

This collaborative approach helped us make informed decisions and select a design that met our project objectives.

- **Photo of Actual Product**



- **Observations , reflection on activity**

During the construction of our paper tower, we observed several key points.

Firstly, the tower's height was influenced by the precision of our measurements and the balance of each section.

Stability depended on how well we connected the triangular components and distributed the weight.

We also realized the importance of teamwork, effective communication, and adaptability when facing challenges.

In retrospect, this activity taught us valuable lessons in engineering, problem-solving, and teamwork.

It highlighted the significance of careful planning and execution, emphasizing that even with limited resources, a well-thought-out design can yield impressive results.

Overall, this project was an enjoyable learning experience that combined creativity and practical skills.