

**Batch: C5\_3**

**Roll No.: 53**

**Name : Shreyans Tatiya**

### Design and Team Building Activity

**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**

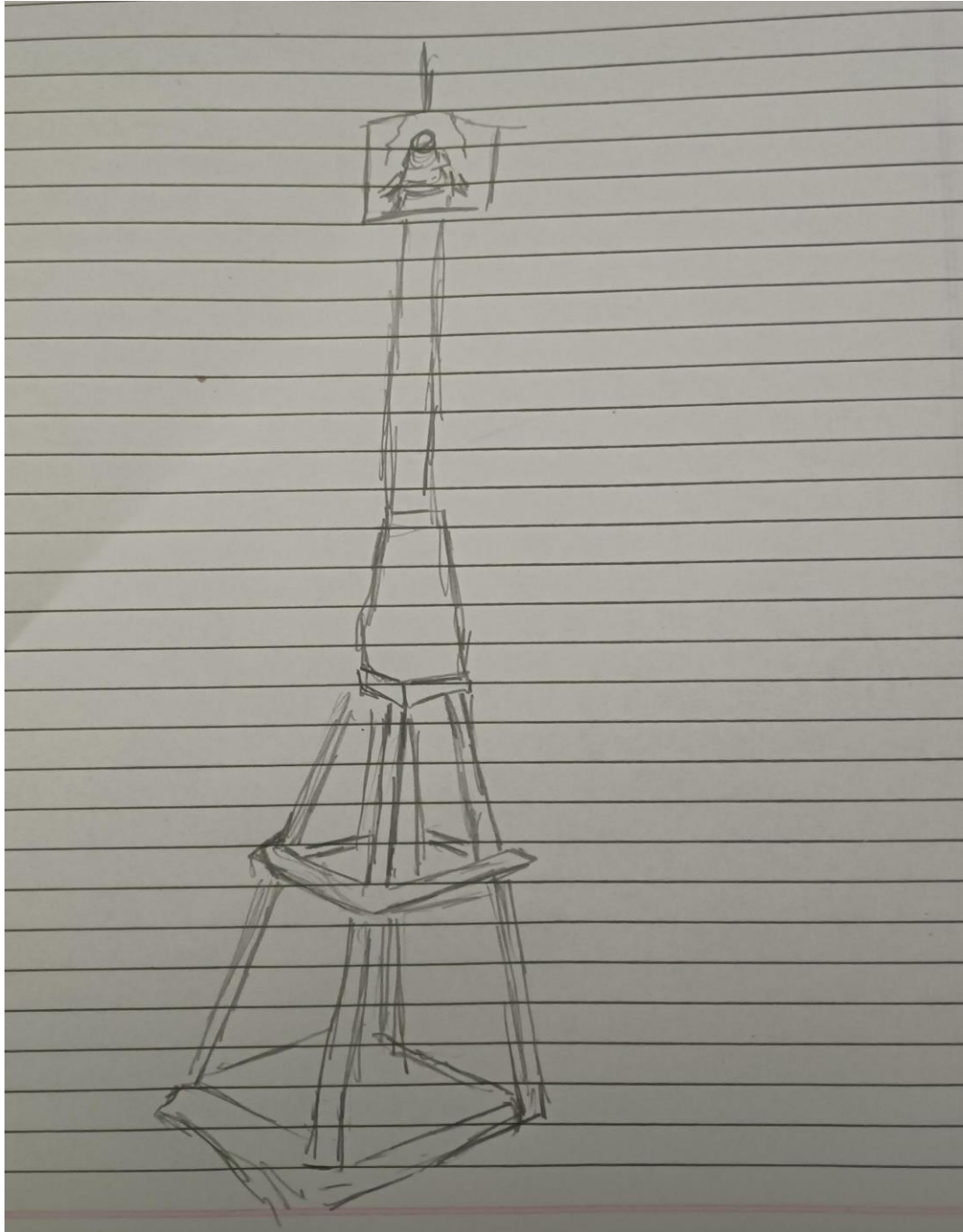
Sr No	Roll No	Name	Hobbies of the person
1	<b>53</b>	<b>Shreyans Tatiya</b>	Reading, Coding
2	51	Shreya Nair	Coding
3	52	Shreya Menon	Coding
4	54	Shreyash Thakur	Coding, Chess
5	55	Shriya Shetty	Coding

**Fill your details as per following points**

- **Requirements:**  
Newspapers, Transparent Tape, Scissors, Scale

**K J Somaiya College of Engineering**  
A Constituent College of Somaiya Vidyavihar University  
Course: Introduction to Project Based Learning

- **Rough Sketches :**



- **Discussion and Selection of Design**

Aim was to have a sturdy and strong base on top of which the building was to be constructed on. A tetrahedral structure increases stability of the building so it was chosen. To increase its height, we decided to extend the structure vertically using the remaining sheets of paper and also chose to add one pole (attached to the base) to increase stability of the building.

- **Photo of Actual Product**



- **Observations, reflection on activity:**

All the newspapers were used up except that some scraps were left, as we aimed for minimal wastage. The structure which we later improvised on, was quite stable and sturdy. The team discussed the ideas and divided its work so that the process could be faster and more efficient.