

**G H RAISONI COLLEGE OF ENGINEERING & MANAGEMENT, WAGHOLI, PUNE  
(AN AUTONOMOUS INSTITUTE UNDER UGC ACT 1956 & AFFILIATED TO  
SAVITRIBAI PHULE PUNE UNIVERSITY)**

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SUBJECT - PROBLEM IDENTIFICATION AND DESIGN THINKING**

**Assignment 5**

**What is refinement of Ideas generated in Brainstorming Session ?**

**What are techniques of refinement ?**

**Describe the refinement techniques detail.**

**How would you refine ideas that you have identified in earlier assignment 4 ?**

**What is refinement of Ideas generated in Brainstorming Session ?**

Know Your Limit

Post-it Voting

Categorizing Great Ideas

Idea Actualization

Clustering of Ideas

The Six Hats

Clarity

Usability

Stability

Profitability

## **What are techniques of refinement ?**

1. Voting
2. Categorizing Great Ideas
3. Most Rational
4. Most Innovative
5. Most Daring
6. Most Difficult
7. Idea Actualization
8. Structure Design
9. Digital
10. Physical
11. Experience Based
12. User Centered Design
13. Clustering of Ideas
14. Grouping ideas based on connections
15. Theme, Presentation, Target, Strategy,
16. Audience or topic
17. Six Hat Theory

## **Describe the refinement techniques detail.**

Six Hat Theory

White Hat- Fact based Approach: What are the Facts? What information is missing?

Yellow Hat- Optimistic Approach: What do I like about this idea?

Black Hat- Critical Approach: What is wrong or lacking with this idea? (Devil's Advocate)

Red Hat- Emotional Approach: Feelings and intuition oriented.

How does this make me feel or react?

Green Hat- Creative Approach: How can I add to this idea? What new insights does it provide?

Blue Hat- Structured Approach: Ensures that all other 'hats' are being used; oversees the group and thinking process as a whole.

### **How would you refine ideas that you have identified in earlier assignment 4 ?**

I will refine idea by using Structure Design

Digital ,Physical ,Experience Based User Centered Design

The best way is using Clustering of Ideas

Grouping ideas based on connections and Theme, Presentation, Target, Strategy, Audience or topic

Get so clear on your life goals that you can describe it in one single sentence.

Go out and share it with as many people as you can.

Make mind maps to explore every aspect of the idea.

Create your own life plan.

Find reason why you are doing and what you are doing.

Be contented with all the things, you have in your life.