

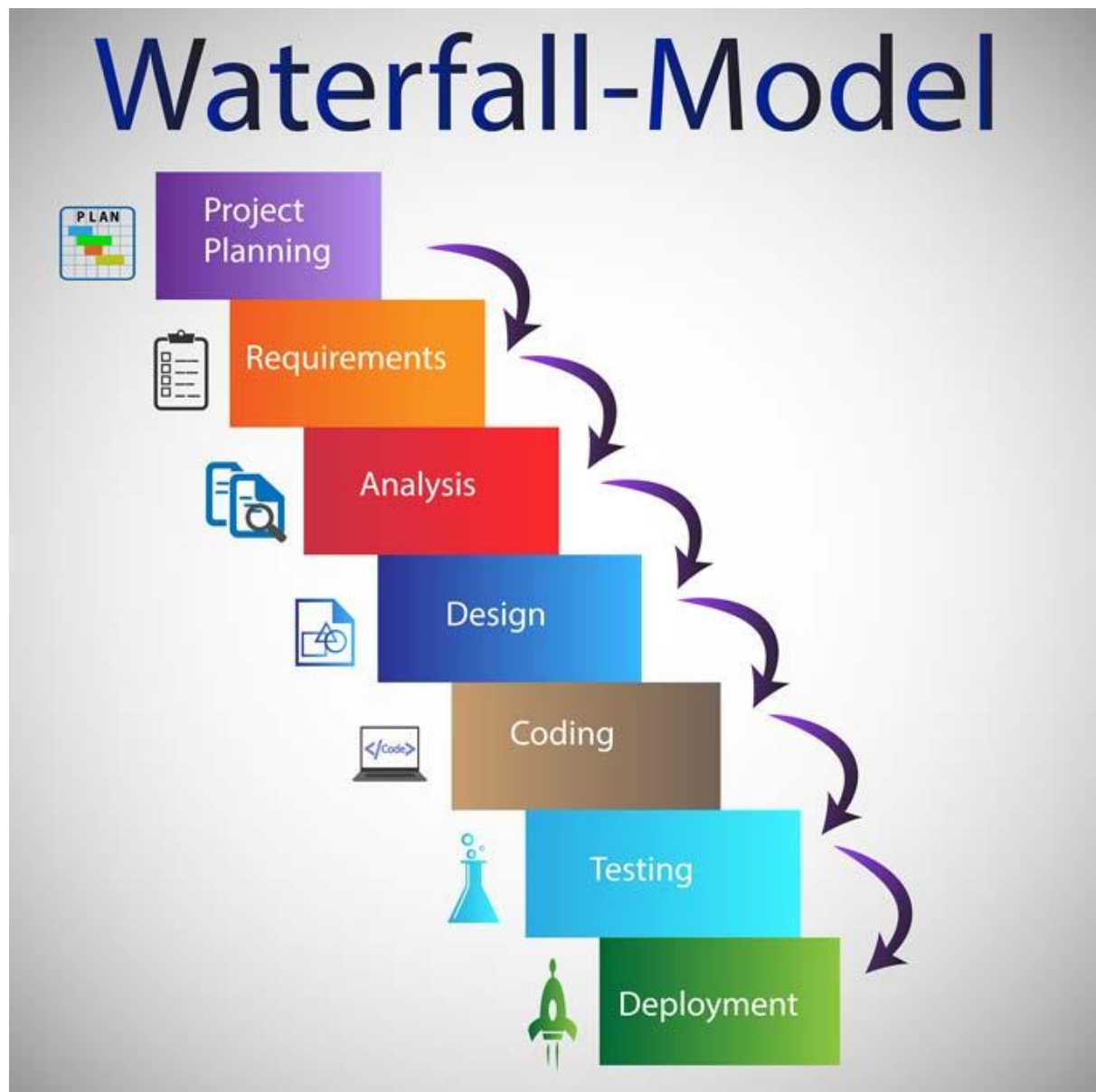
## **PRACTICAL – 1.2**

**Aim: Study of various Problem domains and Identify Problem definition: Describe SDLC model used your project.**

**Project: Social Media Web Application**

**SDLC model selected for the project: Waterfall Model**

- The reason for choosing Waterfall model for our Social Media Web Application was that the process follows all steps of waterfall model and that is completely suitable for our domain/project.
- The waterfall model is a classical model used in Social Media Web App development life cycle to create a system with a linear and sequential approach. It is termed as waterfall because the model develops systematically from one phase to another that is match with our domain and all steps are going in a downward .
- The waterfall approach is ideal for projects that have specific documentation, fixed requirements, simple resources, an established timeline and well-understood technology. While social media provides easier and more accessible opportunities to interact with others, how we communicate and interact hinders the quality of our interpersonal relationships. So that we are choose waterfall model.



Waterfall Model

**Advantages:-**

1. Documentation and planning stages allow for large or shifting teams to remain informed and move towards a common goal.
2. Is simple to understand, follow and arrange tasks.
3. Facilitates departmentalization and managerial control based on schedule or deadlines.
4. Reinforces good coding habits to define before design and then code.
5. Allows for early design or specification changes to be made easily.

**Disadvantages:-**

1. Design is not adaptive, often when a flaw is found, the entire process needs to start over.
2. Ignores the potential to receive mid-process user or client feedback and make changes based on results.
3. Does not consider error correction.
4. Does not handle requests for changes, scope adjustments or updates well.
5. Reduces efficiency by not allowing processes to overlap.
6. Not ideal for complex, high risk, ongoing or object-oriented projects.