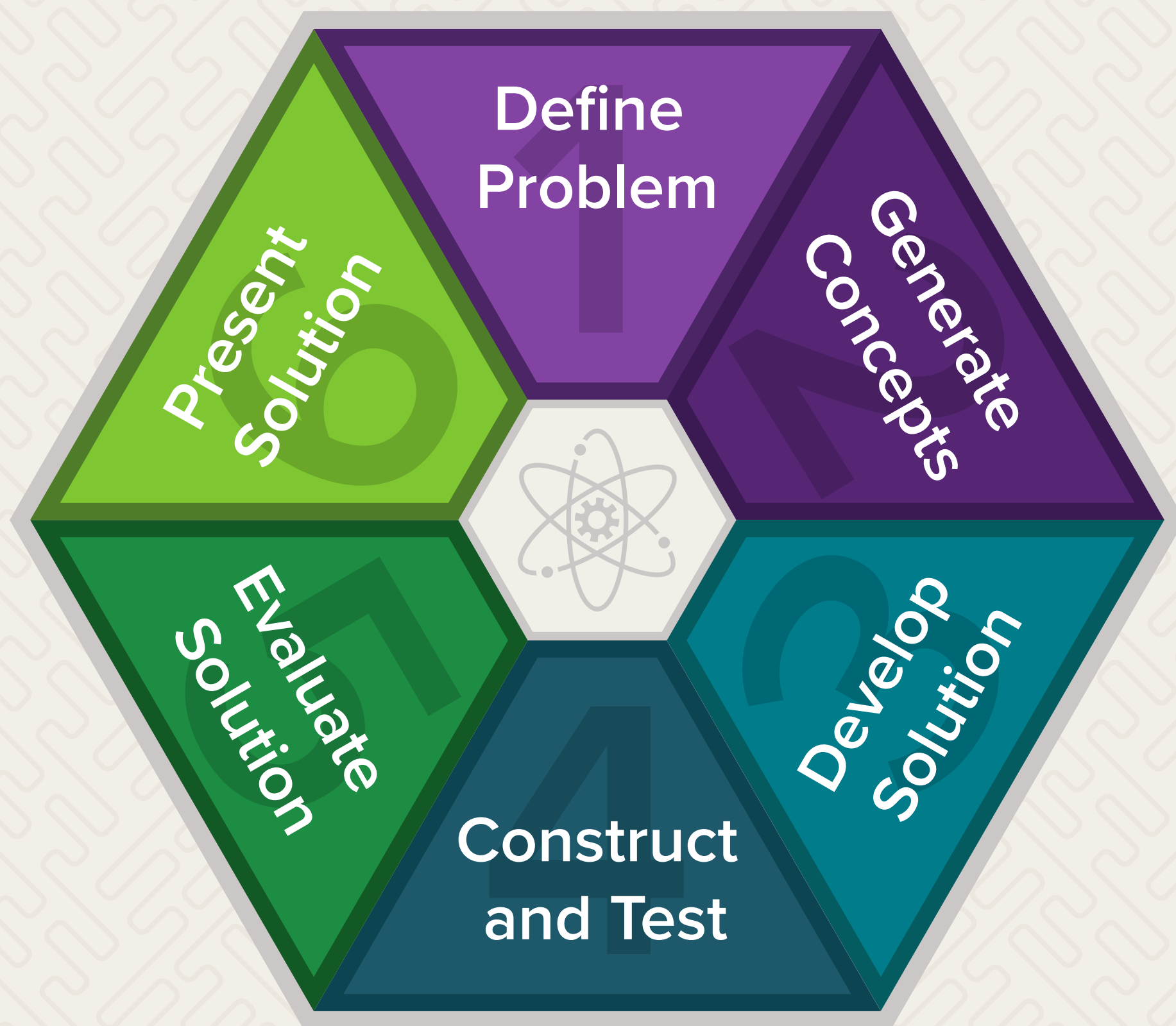


ENGINEERING DESIGN PROCESS



1

Define Problem

- Investigate stakeholder needs
- Justify the problem– Is it worth solving?
- Identify design criteria and constraints

2

Generate Concepts

- Research prior solutions
- Brainstorm possible solutions
- Select an approach

3

Develop Solution

- Create a detailed design solution
- Justify the solution path

4

Construct and Test

- Develop a working model
- Plan and complete testing
- Collect and analyze data

5

Evaluate Solution

- Evaluate solution effectiveness
- Reflect on the design and recommend improvements
- Optimize the solution

6

Present Solution

- Finalize documentation of the project
- Communicate the project