

INSTITUTIONAL INNOVATIONS COUNCIL

Problem Solving and Ideation

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Shikha Vermani, Co-founder

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Shikha looks after the

backward linkage, sourcing,

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PROBLEMSOLVING

- Problems are obstacles thrown in front of us to hamper our progress.
- These problems must be solved and overcome.
- Problems can arise in personal, professional and social contexts.
- Some problems can be solved alone, some can be by collective thought and some by using computers.
- Problem solving refers to any activity or group of activities that seek to resolve problems or find a solution to solve the problems, by proceeding in an orderly fashion.



Steps in Problem Solving



- There is a problem solving cycle which has been identified by Bransford and Stein and is known as the IDEAL model.
- The steps in IDEAL model are,
 1. Identification of Problems and Opportunities
 2. Definition of Goals
 3. Exploration of Possible Strategies
 4. Anticipation of Outcomes and Action
 5. Learning through Retrospection





Identification of Problems and Opportunities

- This is the first step which involves actively looking to the problems and not just responding to them.
- The problems must be stated clearly so that the subsequent steps are easier.





Anticipation of Outcomes and Action

- Every possible outcome must be analyzed after deciding a strategy.
- The already fixed strategy may have to be modified or even discarded.
- Inappropriate assumptions which were made earlier can be rectified in this stage.



- Thank You