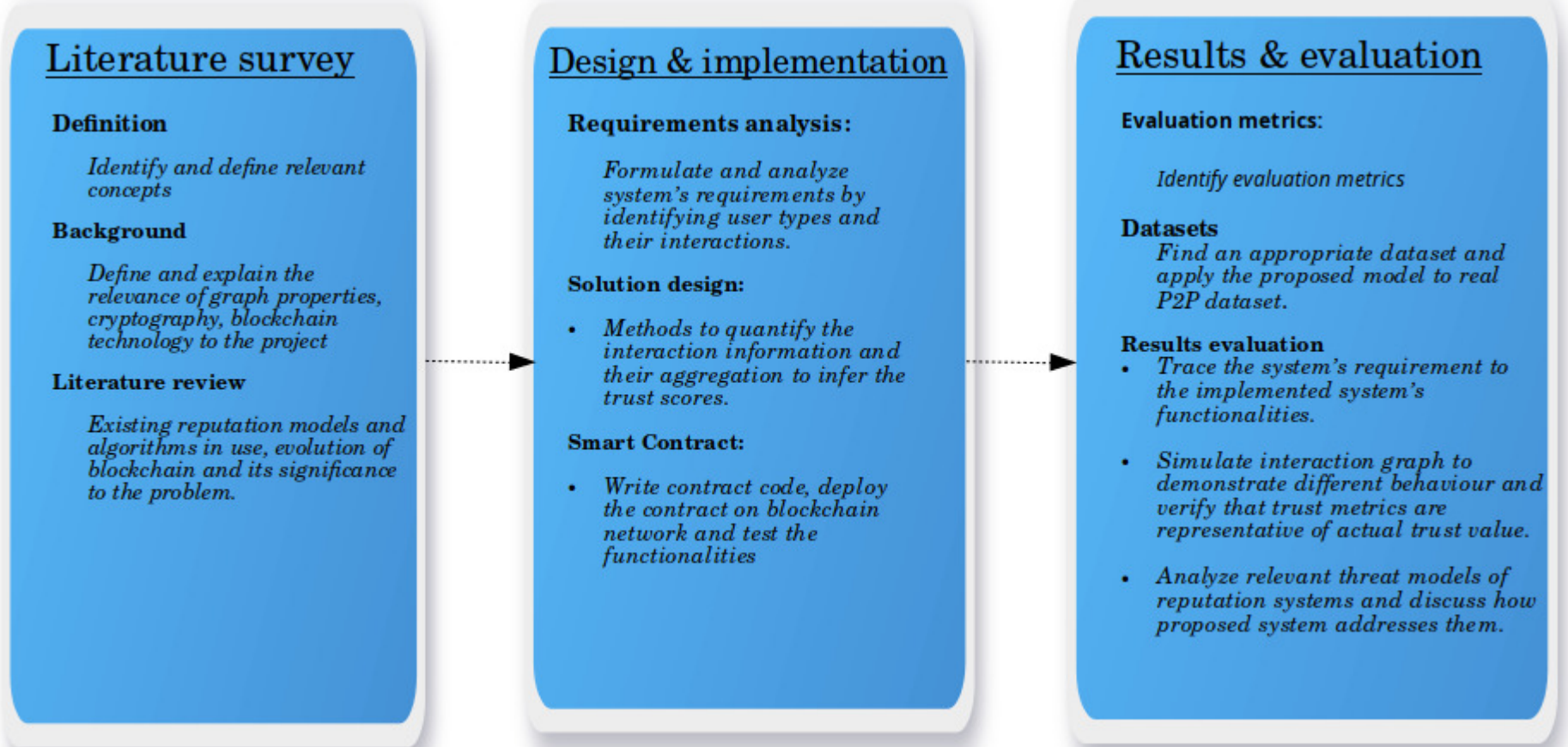
Literature survey
Definition
Identify and define relevant concepts
Background
Define and explain the relevance of graph properties, cryptography, blockchain technology to the project
Literature review
Existing reputation models and algorithms in use, evolution of blockchain and its significance to the problem.
Design & implementation
Requirements analysis:
Formulate and analyze system's requirements by identifying user types and their interactions.
Solution design:
Methods to quantify the interaction information and their aggregation to infer the trust scores.
Smart Contract:
Write contract code, deploy the contract on blockchain network and test the functionalities
Results & evaluation
Evaluation metrics:
Identify evaluation metrics
Datasets
Find an appropriate dataset and apply the proposed model to real P2P dataset.
Results evaluation
Trace the system's requirement to the implemented system's functionalities.
Simulate interaction graph to demonstrate different behaviour and verify that trust metrics are representative of actual trust value.
Analyze relevant threat models of reputation systems and discuss how proposed system addresses them.