

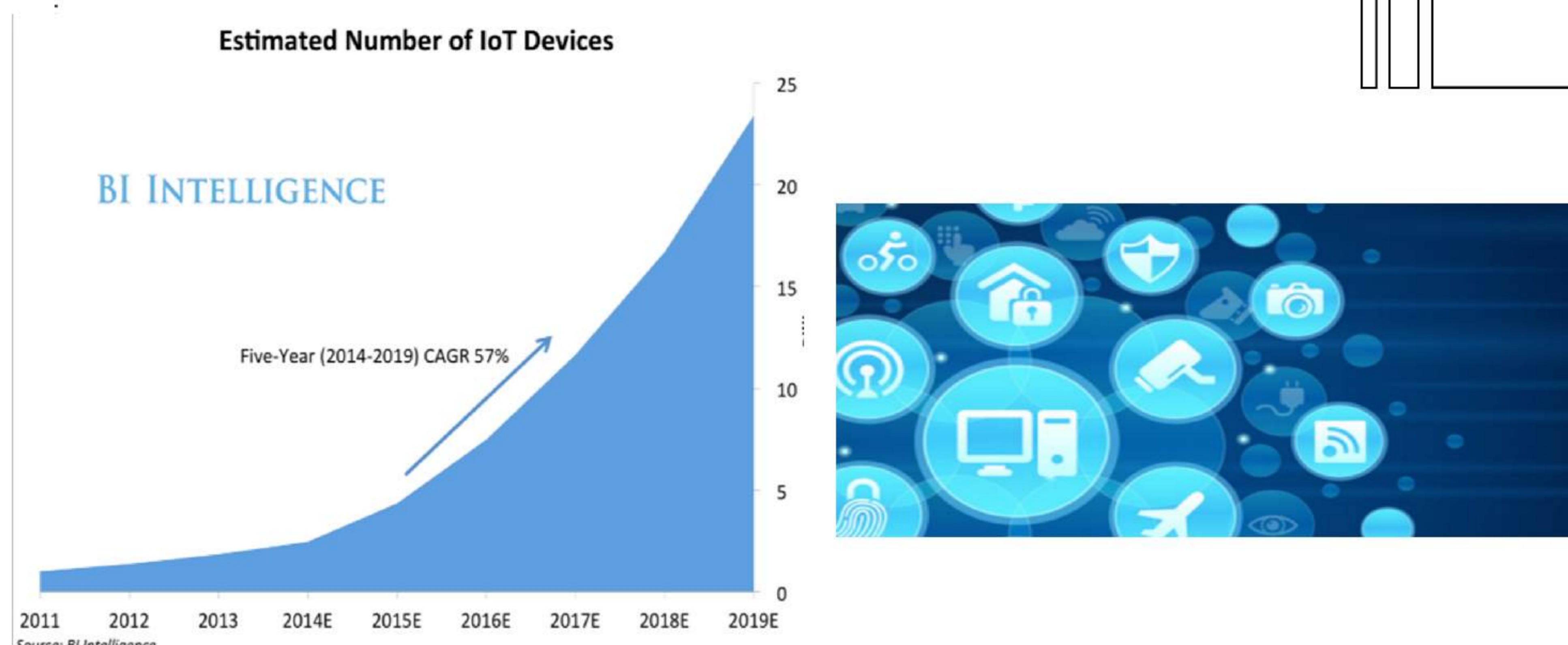
NOVEL APPROACHES FOR DTN INFORMATION DELIVERY

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MOTIVATION

- Interest in mobile networks in disruptive scenarios
- Exploitation of mobile social awareness for better information sharing in mobile networks
- Increasing use of mobile and wearables devices
- Delay/Disruptive networks
- Mobility patterns

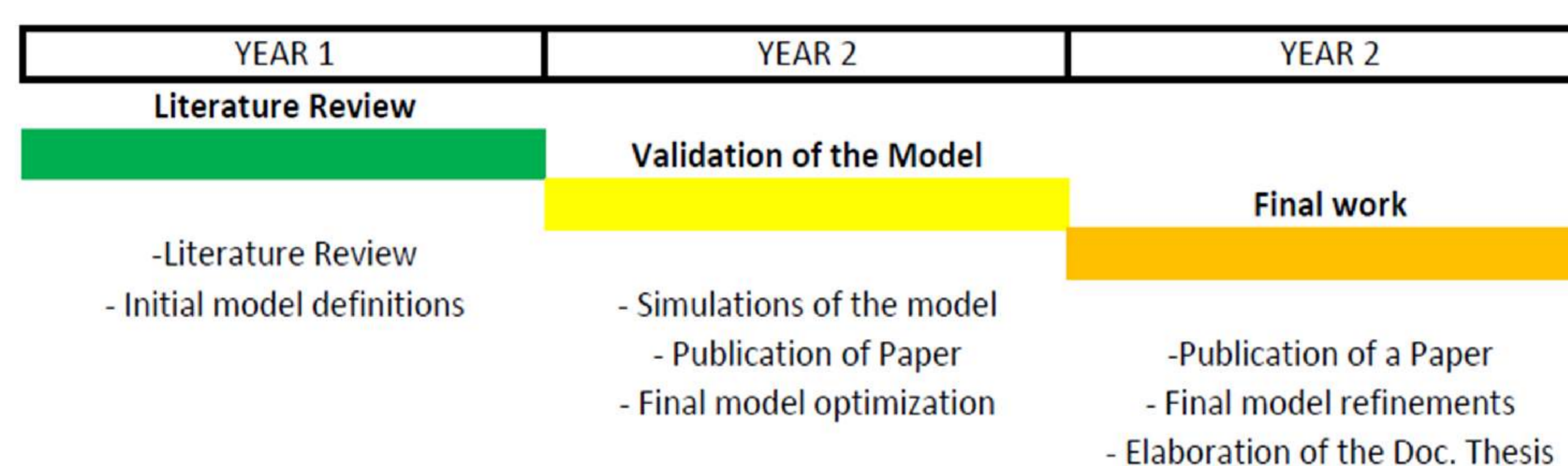


THESIS OBJECTIVES

1. Student Modeling
 - Characterize data from mobile/wearables devices
 - Identify indicators and patterns in mobility
 - Enhance existing algorithms for data dissemination
2. Development of algorithms
 - Identify algorithms for better data forwarding in mobile networks
3. Design and implement an algorithm for data forwarding.
 - Study of existing frameworks
 - Improve/develop an optimized architecture
4. Analysis of its applicability

MODEL ASSUMPTIONS:

- Each node keep track of:
 - All the nodes in range;
 - Nodes with social ties;
- Routing Approach:
 - Data spread in small chunks;
 - High mobility scenario assumed;
 - Instantaneous routing decision:
 - Forward the data on hop to the node with more social awareness to the destination node.



Research data spreading in lack of coverage scenarios

Build one or reliable approaches for successful data delivery

Develop a architectural proposal

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