**OPERATIONAL RESEARCH**

**MATHEMATICAL MODELS**

**SOFTWARE ENGINEERING**

**SOFTWARE SYSTEMS**

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**SIMILARITIES**

**GOAL**

ADAPTING+APPLYING SOFTWARE ENGINEERING TECHNIQUES TO OPERATIONAL RESEARCH

**OR Units for Testing**

- Input Data
- Variables
- Constraints (Feasibility Region)
- Objectives

- Simplifies including optimisation models in software
- Empirical test: reverse engineering a real-world case

- Defined units for Math Models
- What to test? Guidelines for asserts

**PROJECT PATH**

Follow the lifecycle!

→ SE-driven OR is a newborn discipline
→ Many future works to be tackled in
→ Can contribute towards Industry 4.0