



## OPERATIONAL RESEARCH

MATHEMATICAL MODELS

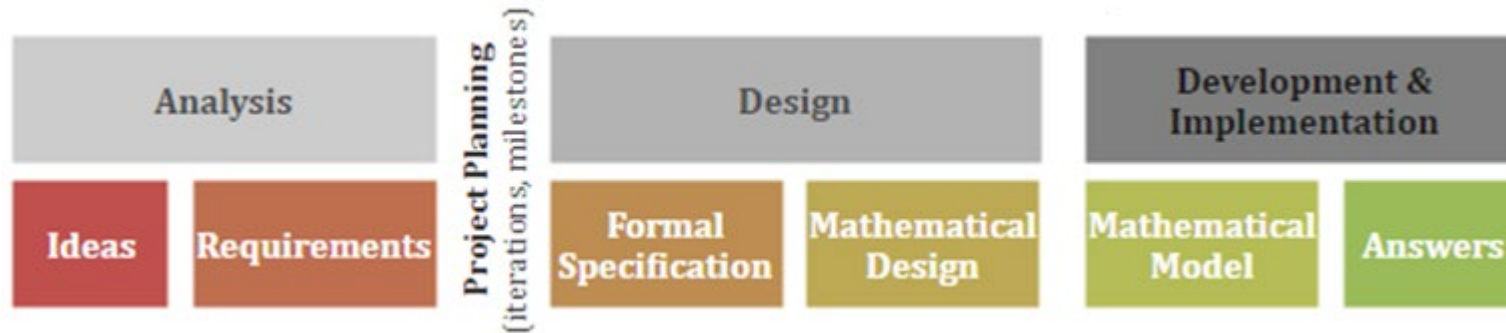


## SOFTWARE ENGINEERING

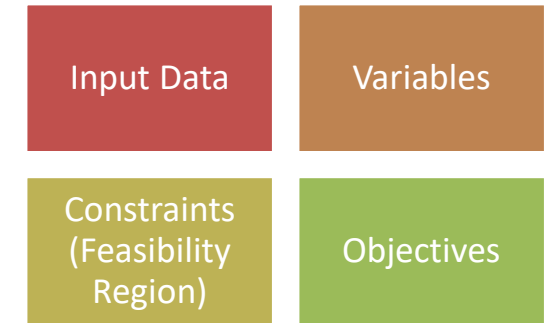
SOFTWARE SYSTEMS

**GOAL**

ADAPTING+APPLYING  
SOFTWARE ENGINEERING  
TECHNIQUES TO  
OPERATIONAL RESEARCH



### OR Units for Testing



- ✓ 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

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

**PROJECT PATH**  
Follow the lifecycle!