CHAPTER 2 — RELATED WORK

- IMPACT OF TEAM FACTORS
- STRUCTURAL METRICS & EXTERNAL ATTRIBUTES
- MINING SOFTWARE RESPOSITORIES

- The impact of team size, stability on productivity, fault-proneness.
- Structural metrics and their relationship to the externally observed attributes of software.
- History and pitfalls mining repositories.

CHAPTER 3 — METHODOLOGY

- DEFINITIONS
- MINING
- METRICS

- Definitions of team size and stability.
- Forge selection, available VCS mining tools and the toolchain used in this research.
- Structural metrics suites and relationship to external attributes.

CHAPTER 4 — THE IMPACT OF TEAM SIZE ON STRUCTURAL METRICS

- DATA MINING
- SAMPLE ANALYSIS
- TEAM SIZE ANALYSIS

- Aspects of data mining pertinent to team size analysis.
- Analysis of sub-set of data to learn trends and suitability as sample.
- Establish relationship between team size and structural metrics.

CHAPTER 5 — IMPACT OF TEAM STABILITY ON STRUCTURAL METRICS

- NETWORK ANALYSIS
- FORGE ANALYSIS
- TEAM STABILITY ANALYSIS

- Social and project network analysis to accurately map committer behaviour.
- Analyse the forge for broad committer trends.
- Establish relationship between team stability and structural metrics.

CHAPTER 6 — DISCUSSION

- RESEARCH AIMS & OBJECTIVES REVISITED
- RESULTS IN DETAIL & THREATS TO VALIDITY
- CONCLUSIONS & FURTHER WORK

- Reviewing the outcomes of this work relative to the research objectives.
- Reviewing results qualitatively using project case studies.
- Distilled conclusions and future avenues of research.