**SECTION**

**SECTION**

**SECTION**

**2.2**

**2.3**

**2.4**

**FORGE ANALYSIS**

**MINING TOOLS**

**PITFALLS**

**IMPACT OF TEAM FACTORS**

**MINING SOFTWARE REPOSITORIES**

**STRUCTURAL METRICS & EXTERNAL ATTRIBUTES**

**EVOLUTION OF SOFTWARE METRICS**

**INTERPRETING CK METRICS**

**TEAM SIZE**

**TEAM STABILITY**

**CK METRICS AND MAINTAINABILITY**

**▪ History of software metrics.**

**▪ Metric correlations, thresholds and outliers.**

**▪ Established relationships between metrics and attributes of maintainability.**

**▪ Survey of prior research mining and analysing forges.**

**▪ Overview of art in the area of mining tools.**

* **▪ Pitfalls of mining software repositories.**

**▪ Impact of team size and stability on productivity and fault-proneness.**