Software engineering (SE) defines processes for the development, operation, and maintenance of software.

**ABSTRACT**

**Requirement Engineering**

RE is the gathering and analyzing of user expectations for the software system.

**Knowledge Acquisition from Wikipedia**

Extracting information from a Wikipedia corpus. It involves the process of extracting, structuring, and organizing knowledge from one source.

**Domain Specific Ontologies**

Ontology is the specification of a conceptualization. Domain ontologies have value for facilitating the understanding between stakeholders through the establishment of a common terminology.

**FRAMEWORK**

**Regular Expressions**

- Regular expressions are typically expressed in natural language and are linked to the application area which may not be in a developer’s area of expertise.

**XML**

- Extracting internal Wikipedia links.

**METHODS**

- **Regular Expression**
  - A regular expression is a sequence of characters that define a search pattern, mainly for use in pattern matching with strings, or string matching.

- **String Search Algorithms (SSAs)**
  - SSAs are used to locate one or several strings within a large string.
    - **Naive Search Algorithm**: The Naive search algorithm provides a simple solution. It is in fact the most straightforward solution. If there is a need to find a pattern P within a text T, the algorithm compares P with T at position 1, and in case of a mismatch, it shifts the position of P.

**RESULTS**

**CONCLUSIONS**

Improvement the RE process by making the knowledge acquisition from Wikipedia more efficient.

**REFERENCES**

