**Solution to internship finder engine problem using AI technology**

**Understanding/Introduction**

Internship finder engines can help users to browse positions for internship on the platform by inputting their dream job demands into the “preference” settings to filter the vocations they want. In this way, this procedure deals the problems as following: 1. Meet the individual requirements; 2. Have higher efficiency; 3. More the job-finding safer (protect personal information).

Apart from having the internship-finding section, more software programmers launched the social media section which can help seekers to communicate technique topics or internship-seeking experiences. This helps the seeking procedure to be two-way: not only seekers can contact the recruiter, the recruiter can actively reach to excellent candidates according to their published contents and their willingness for internship.

However, the matching problem of offers published by recruiters bothers so much when seekers intend to find internship. Some positions which have similar requirements and skills but being named differently by publishers will probably being classified wrongly into different categories, this will not only make seekers to ignore some of the information but also result in no response for recruiters. What is more, this problem occurs more frequent than the normal job seeking situations because internship positions are more ambiguous while normal job positions are more clear.

**Context**

As more students start to consider their career before graduation, there are larger group of students intend to take an internship, which is for students, new professionals or career changers to learn ropes of career-field while working full or part-time. Thus, publications on paper poster, newspaper do not meet the requirements for them as they are not classified, not guaranteed and not easy to manage.

For solving these problems, internship finder (app, website) is created in order to satisfied internship seekers.

**Basic model of internship finding system**

Category matching

Collect offer (similar) and classify them into several databases (boxes).

**Target users**

Internship seekers: In-school/graduand students, job-changing people;

Recruiters in companies.

**AI technique applied in the case**

Case-based reasoning: to detect similar position qualifications from the description or requirement in the offer that published by recruiters. Based on that, then to classify the data collected into different databases and also display them in different sections on the platform.

**Integration/Summary**

By implementing case-based reasoning in processing and classifying internship offers into different sections will help users to find more options when they are searching their aimed positions and also the system can actively recommend them with more published offers.

Helping seekers to receive more offers and help recruiters’ published contents to have a bigger possibility to be seen.