

**Python Programming and Practice**

# **Development daily news keyword summary program**

**Proposal**

Date : 2023.11.03

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# **1. Introduction**

## **1) Background**

It's time consuming and very cumbersome to check out all the tons of news pouring out every day. But we can't completely stop paying attention to current events, so we need a more efficient way to get information. To solve this problem, a program that can easily check current events information in short sentences or keywords is needed.

## **2) Project goal**

Aim to create a program that summarizes articles uploaded every day in short sentences or words.

## **3) Differences from existing programs**

The article summary function previously provided by Naver News only summarizes each article. This, of course, helps save time, but it is difficult to easily find out various current events information. We analyze all articles to show the user a few key sentences or keywords, making it easy to get current events information.

## **2. Functional Requirement**

### **1) Collect articles**

- function to collect articles uploaded daily.

#### **(1) Collect information on popular articles by media company**

- Crawl the titles, body text, and number of comments of the top five popular articles of each media company.

### **2) Summarize the articles**

- Summarize each article in short sentences and words.

#### **(1) Create article summary**

- Summarize the article in one sentence.

#### **(2) Extract keywords**

- Extract one keyword of articles.

### **3) Show keywords**

- Show keywords to user.

#### **(1) Sort keywords in order of frequency**

- Show the keywords that appear in more articles first.

### **4) Show summary of articles by keyword**

- When a user selects a keyword, it shows a summary of the article in which that keyword appears.

### (1) Sort articles in order of popularity

- Show the summary of the article with a lot of comments first.

## 3. Schedule

Task Name	11/3	11/17	12/1	12/15	12/22
Write a proposal					
Function 1					
Function 2					
Function 3					
Function 4					
Final Report					