

Update & Classify notices semester-wise

- Using libraries like BeautifulSoup, selenium, and requests to scrape data from web to create a database for testing and selecting the optimal searching functions to get semester information. Then creating a way to update the database by sending requests to web portal. The github repository (yet to be made) contains all work done for making the 'notice-semester-wise classifier' in python programming language.
- Search functions:
 1. Slice: Finds semester or words similar to semester. It then slices string about 'semester' for searching 'vth', '5', '4th5th6th', '1234', etc.
 2. Roman: finds all roman numerals in a list of words, if 'semester' or related word is nearby.
 3. Sem_nos = Locates all numbers around 'semester' word.
- As new notices come, old notices are removed. The relative position of their titles can be compared to check for any new information on the portal. The new circulars are added to a list utilized as a stack.
- Files: GetAllNotices—Gets all new and old notices from the web portal. (Note: it uses a web driver)
 - CheckForNoticesAndPrint—Sends request and 'checks and prints' for new notices if any.
 - SearchSemAndPrint—Uses search functions described above to return semester number.
 - test/test2/test3-SearchnPrint—Files used for checking the functionality of new and changed functions.

DIAGRAM

