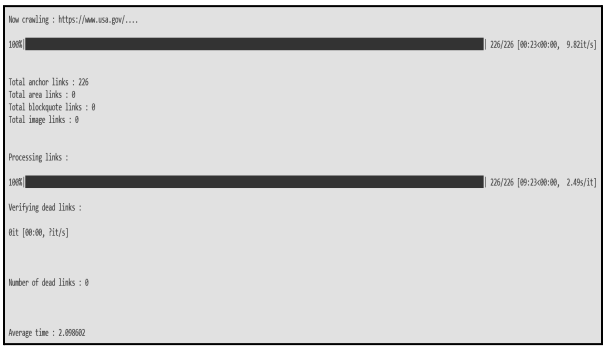
Assignment 2

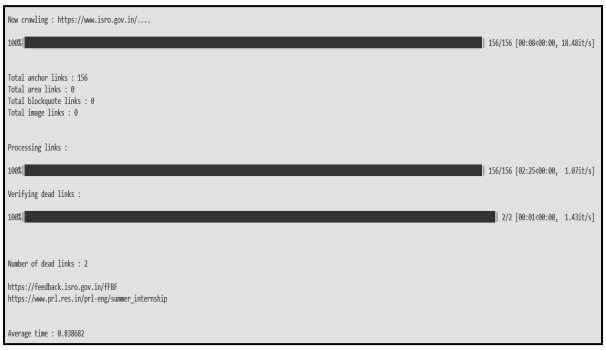
(BITS F364)

NREGA

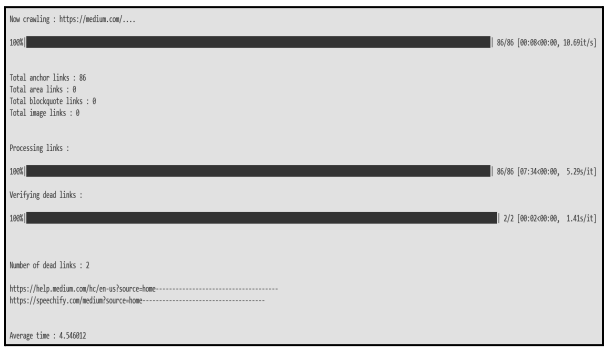


USA

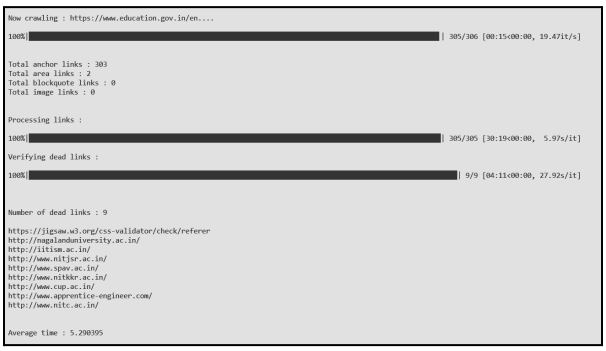
BITS



ISRO



MEDIUM



EDU

Observations :

- **Class of HTTP response codes** :
  - 200 - Status OK series
    - Page loads were ***normal*** and load times were recorded in excel files.
  - 301, 304 - Redirecting Web-Pages
  - 403 - Authorization Errors
    - Because we used Python scripts, authorization errors appeared. Users could open them normally.
  - 404 - Resource Missing / Page Not Found
  - 405 - Method Not Allowed
    - The server blocked Python's "requests" library methods for recording HTTP response codes.
  - 406 - Not Acceptable
    - The server can't give a response that matches the list of acceptable values in the request's proactive content negotiation headers.
  - 502 - Bad Gateway server
    - The server, while acting as a gateway or proxy, received an invalid response from the upstream server.

- **Comments on Responsiveness :**
  - NREGA, MEDIUM, BITS :
    - The embedded links on the homepage were considerably slower to load than the hyperlink counterparts.
  - USA, ISRO :
    - Due to swift and dependable host servers, web pages were incredibly responsive during crawl sessions.
  - EDU :
    - Initial testing of the script revealed that the webpage was completely unresponsive.
    - In addition, despite the fact that the page responded, the web components of the page could not be detected during multiple web crawl sessions.
    - Finally, it took approximately 30 to 40 minutes to process all of the links.