

# Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati

Department of Artificial Intelligence & Data Science

## Report on One Day Workshop

**Title:** One Day Workshop on Web Retrieval and Crawling

**Date:** 27<sup>th</sup> September 2025

**Time:** 9.30 AM to 4.30 PM

**Venue:** Main Building, BFL Center of Excellence .

**Target Audience:** B.E AIDS Students.

**Number of Participants:** 75

### **Objectives of the Programme:**

1. To learn web crawling and its role in collecting data from the web
2. To extract text, image, video, ppt from web and save it in working directory
3. To learn Importance of respecting the robots.txt file
4. To learn strategies for dealing with various data formats.
5. To learn page ranking algorithm.

**Speakers:** Rushikesh Tanksale (Professional Freelancer, Piyush IT Services Pune)

**Inauguration:** The workshop started with an inauguration session by Hema Jadhav (Asst Prof, AI&DS, VPKBIET), she welcomed the guest and all the participants. She introduced speaker to the audience and also discussed the rationale of the workshop programme and its key components. She motivated to take the benefit of skills through this workshop. Mrs. Hema Jadhav addressed audience with her words of wisdom and expressed that all members have the ability and responsibility to change themselves to changing technology. She added that she is fully confident that teachers are always ready to and would successfully cope up with new challenges for the benefit of the students and institution.

The programme was one day Workshop on Web Retrieval and Crawling. It included two short sessions. Both sessions were delivered by the session speaker. It was a hands-on session.

**Session I:** Session I, of the programme focussed on “Basics of Web Retrieval and Crawling” and was delivered by Speaker Rushikesh Tanksale, Professional Freelancer Piyush IT Services Pune.

He explained what web retrieval is and why it's essential. Discuss the key concepts, including web resources, URLs, and HTTP requests. Getting Started with Python. He briefly introduced Python as the primary programming language for web crawling and guide participants through setting up their Python environment, making HTTP requests etc...Also, explained use of Python libraries like HTTP requests to web servers. Demonstrated how to retrieve web content (HTML) from a webpage and parsing HTML document which helped to extract meaningful information. Introduced BeautifulSoup as a popular library for parsing HTML. Guided participants through extracting data from a sample webpage, a hands-on example.

**Session II:** Demonstrated how to crawl the website with hands on IMDB website. Extracting the movie names and rating from the IMDB website. Cleaning the data and converting it to pandas dataframe for further analysis using Machine Learning technique.

**Session III:** In session III Speaker focussed on “Hands-On Web Crawling”

Speaker highlighted some main points on web crawling. He defined web crawling and its role in collecting data from the web. Explained with use cases for web crawling in various industries, Robots.txt and Ethical Crawling. A hands-on through creating a simple web crawler using Python. Setting up initial URLs, crawl through links, and store data. Handling Different Data formats. Strategies for dealing with various data formats, such as JSON and XML. Demonstrate parse and extract data from different file types. Dealing with Pagination and Infinite Scrolling. Also, explained with hands-on the page ranking algorithm. Encouraged participants to explore these areas further after the workshop.

After the session, area was open for Q&A and troubleshooting

The session ended with a vote of thanks by Dr. Chaitanya Kulkarni, HoD AIDS, VPKBIET. He thanked participants for their valuable time for the session. He also thanked all the participants for attending the sessions and believed that they will use the tools and technical skills in their day-to-day activities so as to make the process dynamic. Dr Chaitanya Kulkarni thanked the workshop co-ordinator for organising the workshop and smooth conduction of the same.

Speaker summarized the key takeaways from the workshop. Shared additional resources and references for participants to continue their learning journey.

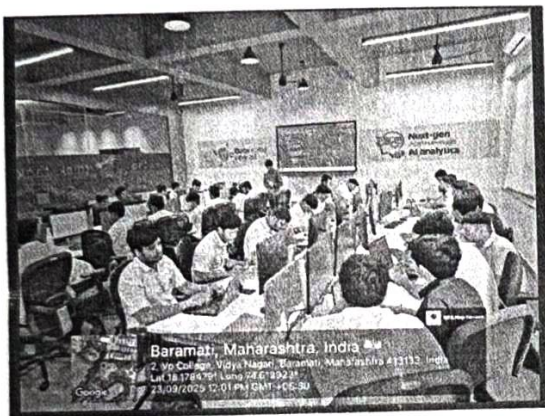
#### **Outcomes of Programme:**

1. Learned Basics of Web Retrieval and Crawling
2. Understood techniques for handling web pages
3. Learned the importance of respecting the robots.txt file to avoid legal
4. Understood and implemented page ranking algorithm

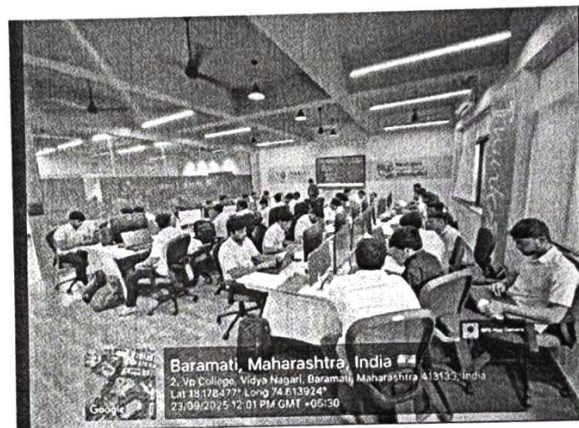
## Glimpses of the event



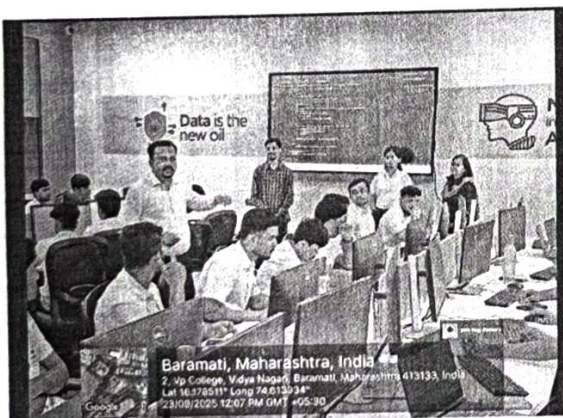
Inauguration and felicitation by Dr. Chaitanya Kulkarni, HoD AIDS



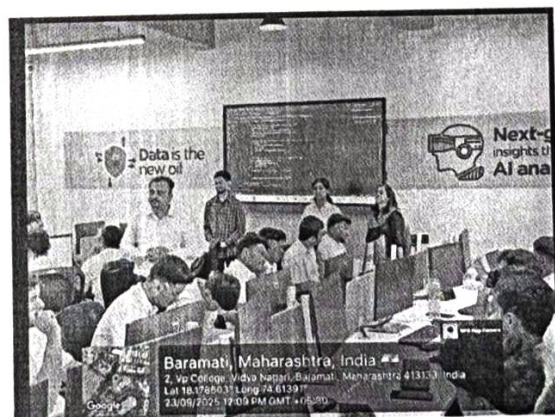
Workshop Speaker Rushikesh Tanksale



Session Participants B.E AIDS Students

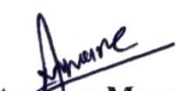


Vote of thanks by Dr. Chaitanya Kulkarni, HoD



Students feedback

  
Hema Jadhav  
Assistant Professor

  
Apurva Mane  
IIC Coordinator

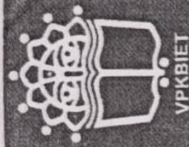
  
Nisha Songire  
Skill Development

  
Rashani Gawade  
Co-Curricular

  
Dr. C. S. Kulkarni  
HOD of AI&DS



STUDENTS ASSOCIATION  
OF ARTIFICIAL INTELLIGENCE



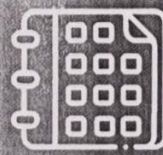
## Vidya Pratishthan's

KamalNayan Bajaj Institute of Engineering and Technology,  
Baramati

Department of Artificial Intelligence and Data Science  
Academic Year 2025-26

One Day Workshop on

# “INFORMATION RETRIEVAL”



SEPTEMBER 23  
9AM ONWARDS

VENUE: BFL COE 2<sup>ND</sup> FLOOR,  
MAIN BUILDING, VPKBIET



**RUSHIKESH TANKSALE**

*CEO of Two Registers, Pune*

MRS.HEMA JADHAV  
COORDINATOR

| Email Address |          | Subject                 |         | Date              |                   | Time      |     | Status                                                                                             |  | Feedback |  | Comments |  |
|---------------|----------|-------------------------|---------|-------------------|-------------------|-----------|-----|----------------------------------------------------------------------------------------------------|--|----------|--|----------|--|
| 9/23/2025     | 22 48 57 | satishk wayase aids     | 2547072 | WAYASE SASTHIA    | Very much helpful | Very good | Yes | Everything was great                                                                               |  |          |  |          |  |
| 9/23/2025     | 22 49 58 | onkar ingawale aids     | 2547028 | INGAWALE OMAK     | Helpful           | Very good | Yes | Very good                                                                                          |  |          |  |          |  |
| 9/23/2025     | 22 50 05 | rohan harkar aids 202   | 2547027 | HATYAR ROMAN J    | Helpful           | Good      | Yes | NA                                                                                                 |  |          |  |          |  |
| 9/23/2025     | 22 50 33 | vedant gole aids 202    | 2547024 | GOLE VEDANT AS    | Very much helpful | Excellent | Yes | Nice                                                                                               |  |          |  |          |  |
| 9/23/2025     | 22 55 10 | ajay kumar aids 2       | 2547044 | KUMAR AJAYSH      | Very much helpful | Excellent | Yes | Excellent                                                                                          |  |          |  |          |  |
| 9/23/2025     | 22 55 05 | sahil shah aids 202     | 2547059 | SHAH SAHIL SA     | Very much helpful | Excellent | Yes | Sir was so friendly and helpful                                                                    |  |          |  |          |  |
| 9/23/2025     | 22 58 01 | tanvi kumbhar aids 2    | 2547043 | KUMBHAR TANVI     | Very much helpful | Very good | Yes | Good                                                                                               |  |          |  |          |  |
| 9/23/2025     | 22 58 34 | devyani pawar aids 2    | 2547050 | PAWAR DEVIYANI    | Very much helpful | Excellent | Yes | It was nice session                                                                                |  |          |  |          |  |
| 9/23/2025     | 22 59 57 | namrata darade aids     | 2547071 | DARADE NAMRAT     | Very much helpful | Excellent | Yes | None                                                                                               |  |          |  |          |  |
| 9/23/2025     | 23 07 31 | shubham bhosale aids    | 2547025 | BHOSALE SHUBHAM   | Helpful           | Good      | Yes | Helpful                                                                                            |  |          |  |          |  |
| 9/23/2025     | 23 12 37 | vishwam gufale aids     | 2547039 | GUFALE VISHWAM    | Helpful           | Very good | Yes | This session was very helpful and interactive. The explanations were clear and easy to understand. |  |          |  |          |  |
| 9/23/2025     | 23 27 47 | ishad khawaz aids 2     | 2547025 | KHAWAZ ISHAD      | Very much helpful | Very good | Yes | Overall the session was satisfactory                                                               |  |          |  |          |  |
| 9/23/2025     | 23 29 55 | sanku kondharian aids   | 2547025 | KONDHARIAN SANKU  | Helpful           | Good      | Yes | Good for information                                                                               |  |          |  |          |  |
| 9/23/2025     | 23 36 30 | vishwajit thaware aids  | 2547057 | THAWARE VISHWAJIT | Very much helpful | Excellent | Yes | Session was very good                                                                              |  |          |  |          |  |
| 9/23/2025     | 23 38 00 | adishpak konde aids     | 2547031 | KONDE ADISHPAK    | Very much helpful | Excellent | Yes | Session was good                                                                                   |  |          |  |          |  |
| 9/23/2025     | 23 40 33 | punya jadhav aids 20    | 2547050 | NEVASE SHIRPANI   | Very much helpful | Excellent | Yes | It was great session I have learnt new things                                                      |  |          |  |          |  |
| 9/23/2025     | 23 44 19 | shriyash more aids      | 2547056 | SALUNKE PRUTHI    | Helpful           | Good      | Yes | Excellent                                                                                          |  |          |  |          |  |
| 9/24/2025     | 0 08 18  | pruthviraj salunke aids | 2547055 | CHOUHARI ADNI     | Very much helpful | Excellent | Yes | It's informative                                                                                   |  |          |  |          |  |
| 9/24/2025     | 0 18 25  | advent choudhary aids   | 2547075 | CHAUDHARY RUPES   | Very much helpful | Excellent | Yes | It was great                                                                                       |  |          |  |          |  |
| 9/24/2025     | 2 28 35  | kaustubh raat aids 2    | 2547054 | RAUT KAUSTUBH     | Very much helpful | Excellent | Yes | Great and knowledgeable Session                                                                    |  |          |  |          |  |
| 9/24/2025     | 5 36 31  | aanya lambore aids 2    | 2547057 | SAPKAL PRATHMI    | Helpful           | Very good | Yes | Nice hands on practice                                                                             |  |          |  |          |  |
| 9/24/2025     | 6 34 06  | prathamesh sapkal aids  | 2547058 | BHARGAVANIT PR    | Very much helpful | Excellent | Yes | Nice                                                                                               |  |          |  |          |  |
| 9/24/2025     | 7 04 34  | pratik bhargavanit aids | 2547038 | KHARADE SIDDHI    | Helpful           | Very good | Yes | Good                                                                                               |  |          |  |          |  |
| 9/24/2025     | 7 49 02  | rupesh chaudhari aids   | 2547013 | CHAUDHARI RUPES   | Very much helpful | Excellent | Yes | Excellent                                                                                          |  |          |  |          |  |
| 9/24/2025     | 8 12 02  | sayali kate aids 2022   | 2547027 | KATE SAYALI RAJ   | Helpful           | Very good | Yes | Nice session it was!                                                                               |  |          |  |          |  |
| 9/24/2025     | 9 19 42  | prajwal thorat aids 2   | 2547059 | THORAT PRAJWA     | Very much helpful | Excellent | Yes | Very good                                                                                          |  |          |  |          |  |
| 9/24/2025     | 9 20 46  | om jagtap aids 2022     | 2547033 | JAGTAP OM VIJAY   | Very much helpful | Excellent | Yes | It was interesting                                                                                 |  |          |  |          |  |
| 9/24/2025     | 9 51 51  | pravin thore aids 202   | 2547058 | THEPE PRAVIN D    | Very much helpful | Excellent | Yes | Perfect session                                                                                    |  |          |  |          |  |
| 9/24/2025     | 9 58 24  | pradnya yadav aids 2    | 2547073 | YADAV PRADNYA     | Very much helpful | Excellent | Yes | Good                                                                                               |  |          |  |          |  |
| 9/24/2025     | 9 59 43  | anjali chandgude aids   | 2547011 | CHANDGUDE ANJ     | Very much helpful | Excellent | Yes | Learned Beautiful Soup and etc                                                                     |  |          |  |          |  |
| 9/24/2025     | 10 00 30 | shadi pawar aids 202    | 2547016 | CHOUHARI AKASH    | Helpful           | Very good | Yes | It was a valuable session                                                                          |  |          |  |          |  |
| 9/24/2025     | 10 01 40 | om deekmukh aids 2      | 2547018 | DESHMUKH OM AN    | Very much helpful | Excellent | Yes | It was good                                                                                        |  |          |  |          |  |
| 9/24/2025     | 10 02 26 | sarvesh kothak aids 2   | 2547040 | KOTAK SARVESH     | Very much helpful | Excellent | Yes | The session was very helpful and also the speaker was excellent.                                   |  |          |  |          |  |
| 9/24/2025     | 10 16 35 | nilesh rodate aids 20   | 2547055 | RODATE NILESH     | Very much helpful | Very good | Yes | Ok                                                                                                 |  |          |  |          |  |
| 9/24/2025     | 10 31 11 | roshan shinde aids 2    | 2547063 | SHINDE ROSHANI    | Helpful           | Excellent | Yes | Good                                                                                               |  |          |  |          |  |
| 9/24/2025     | 10 48 15 | ishwar gosavi aids 2    | 2547058 | GOSAVI ISHWAR     | Very much helpful | Excellent | Yes | Good                                                                                               |  |          |  |          |  |
| 9/24/2025     | 10 52 48 | satyam saste aids 20    | 2547059 | SASTE SATYAM R    | Very much helpful | Excellent | Yes | Excellent                                                                                          |  |          |  |          |  |
| 9/24/2025     | 12 45 41 | nilesh jadhav aids 20   | 2547022 | SHINDE PRATIKSH   | Helpful           | Very good | Yes | Overall good                                                                                       |  |          |  |          |  |
| 9/24/2025     | 13 02 15 | pratiksha shinde aids   | 2547051 | SHINDE PRANALI    | Helpful           | Very good | Yes | Helpful                                                                                            |  |          |  |          |  |
| 9/24/2025     | 13 25 56 | komal babade aids 2     | 2547045 | LABADE KOMAL S    | Helpful           | Very good | Yes | Great                                                                                              |  |          |  |          |  |
| 9/24/2025     | 13 25 57 | sweetik shirwad aids    | 2547052 | SHIRWAD VEDANT    | Very much helpful | Excellent | Yes | Good session.                                                                                      |  |          |  |          |  |
| 9/24/2025     | 13 26 18 | vedant shinde aids      | 2547054 | SHIRWAD VEDANT    | Very much helpful | Excellent | Yes | Very helpful                                                                                       |  |          |  |          |  |
| 9/24/2025     | 13 30 22 | parth ambe aids 2022    | 2547012 | CHANDURE AMIT     | Very much helpful | Excellent | Yes | Good                                                                                               |  |          |  |          |  |
| 9/24/2025     | 13 35 19 | amit chandure aids 2    | 2547014 | CHAVAN VIKAS      | Very much helpful | Excellent | Yes | It's good and informative                                                                          |  |          |  |          |  |
| 9/24/2025     | 13 37 21 | karan chavan aids 2     | 2547025 | GOSAVI ISHWAR     | Very much helpful | Excellent | Yes | No                                                                                                 |  |          |  |          |  |
| 9/24/2025     | 13 39 08 | ishwar gosavi aids 2    | 2547056 | SALUNKE PRUTHI    | Very much helpful | Excellent | Yes | Nothing                                                                                            |  |          |  |          |  |
| 9/24/2025     | 13 58 41 | pruthviraj salunke aids | 2547066 | SHIRWAD VEDANT    | Very much helpful | Excellent | Yes | Good                                                                                               |  |          |  |          |  |
| 9/24/2025     | 13 59 31 | atharya thaware aids    | 2547068 | SHIRWAD VEDANT    | Very much helpful | Excellent | Yes | It was very informative and great hands on session.                                                |  |          |  |          |  |
| 9/24/2025     | 13 59 53 | gauravi bhargav aids    | 2547010 | CHAND SHREYA A    | Helpful           | Excellent | Yes | It was very helpful for our subject.                                                               |  |          |  |          |  |
| 9/24/2025     | 14 00 20 | shreya chand aids 2     | 2547022 | JADHAV VIKAS      | Very much helpful | Good      | Yes | Great                                                                                              |  |          |  |          |  |
| 9/24/2025     | 14 01 43 | vedant jadhav aids      | 2547071 | DARADE NAMRAT     | Very much helpful | Excellent | Yes | Excellent                                                                                          |  |          |  |          |  |
| 9/24/2025     | 14 14 15 | namrata darade aids     | 2547054 | KABIR AYESHA J    | Very much helpful | Very good | Yes | OK                                                                                                 |  |          |  |          |  |
| 9/24/2025     | 14 22 18 | harish shivkar aids     | 2547064 | SHIVKAR HARISH    | Very much helpful | Excellent | Yes | Session was good and informative                                                                   |  |          |  |          |  |
| 9/24/2025     | 14 24 53 | shriyash more aids      | 2547050 | NEVASE SHIRPANI   | Very much helpful | Excellent | Yes | Session is very useful for us                                                                      |  |          |  |          |  |
| 9/24/2025     | 14 38 40 | athirav gufale aids     | 2547022 | GAFHANE ATHAR     | Very much helpful | Excellent | Yes | Good                                                                                               |  |          |  |          |  |
| 9/24/2025     | 14 47 02 | vishwajit thaware aids  | 2547057 | THAWARE VISHWAJIT | Very much helpful | Very good | Yes | Good                                                                                               |  |          |  |          |  |
| 9/24/2025     | 14 47 05 | varad bharwadkar aids   | 2547071 | PAWAR BHAKTI S    | Helpful           | Excellent | Yes | Very good                                                                                          |  |          |  |          |  |
| 9/24/2025     | 14 56 47 | onkar ingawale aids     | 2547028 | INGAWALE OMAK     | Helpful           | Excellent | Yes | This session was amazing and very interactive                                                      |  |          |  |          |  |
| 9/24/2025     | 15 33 07 | anushka genir aids      | 2547022 | GANNIR ANUSHK     | Very much helpful | Excellent | Yes | Very useful                                                                                        |  |          |  |          |  |
| 9/24/2025     | 15 51 40 | mayuri bangade aids     | 2547051 | WAGHARE ARY       | Helpful           | Good      | Yes | It was good session                                                                                |  |          |  |          |  |
| 9/24/2025     | 16 21 12 | ayya waghmare aids      | 2547051 | WAGHARE ARY       | Helpful           | Excellent | Yes | Good                                                                                               |  |          |  |          |  |
| 9/24/2025     | 17 00 02 | shadi pawar aids 202    | 2547017 | LOMTE HROSHIK     | Very much helpful | Excellent | Yes | Best                                                                                               |  |          |  |          |  |