# Participation Information Sheet

Title: Research and Development in Automated Summarization of Academic Documents using Advanced NLP Techniques to Assist Academics and Students

Hello,

My name is Sanjay Shrestha, and I am a student at Coventry University, pursuing my Masters in MSc Data Science with Computational Intelligence. As part of my final project, titled "Research and Development in Automated Summarization of Academic Documents using Advanced NLP Techniques to Assist Academics and Students," I am conducting a survey to gather valuable insights from individuals like you.

The purpose of this survey is to understand the preferences, experiences, and opinions of individuals regarding automated summarization tools for academic documents. These tools utilize advanced Natural Language Processing (NLP) techniques to generate concise summaries of lengthy academic texts, aiding researchers, academics, and students in their work.

Your participation in this survey will contribute to the research and development of more effective and user-friendly automated summarization tools. Your insights will help in improving the functionality and features of these tools to better serve the academic community.

Your responses will be kept confidential, and your identity will remain anonymous throughout the survey. This survey has received ethical approval from Coventry University's Research Ethics Committee.

Participation in this survey is voluntary, and you have the right to withdraw at any time. Your decision to participate or not will not affect your relationship with Coventry University or any other organization.

The survey consists of multiple-choice and should take approximately 5 to 10 minutes to complete. Your honest responses are greatly appreciated and will be instrumental in shaping the outcome of this academic summarization tools.

If you have any questions or concerns about the survey, you can reach me via email.

[sanjayshrestha969@gmail.com](mailto:sanjayshrestha969@gmail.com) or [180130@softwarica.edu.np](mailto:180130@softwarica.edu.np).

Additionally, the survey has been conducted under the supervision of Mr. Manoj Shrestha ([stw0002@softwarica.edu.np](mailto:stw0002@softwarica.edu.np)).

Thank you for taking the time to participate in this survey. Your input is invaluable to the success of this research project.

# Questionnaire:

1. Age:
2. below 18
3. 18-25
4. 26-35
5. 36-45
6. 46+
7. Gender:
8. Male
9. Female
10. Other
11. Educational Background:
    1. Undergraduate
    2. Graduate
    3. Postgraduate
12. Occupation:
    1. Student
    2. Academic/Researcher
    3. Professional
    4. Other
13. Which type of academic document are you most engaged with.
    * 1. History
      2. Science
      3. Literatures
      4. Others
14. How often do you engage in academic writing and research?
    1. Rarely
    2. Occasionally
    3. Frequently
15. What is the typical length of the academic documents you read?
    * 1. Short articles or abstracts (1-5 pages)
      2. Medium-length papers (6-15 pages)
      3. Long research articles (16-30 pages)
      4. Extended reports or theses (31+ pages)
16. What types of academic documents do you frequently work with?
    * 1. Research papers
      2. Thesis or dissertations
      3. Reports
17. What devices do you primarily use for academic work?
    * 1. Laptop/Desktop
      2. Tablet
      3. Smartphone
      4. Combination of the above
18. Do you prefer reading whole documents or read a summary of the document?
    1. Read whole document/article
    2. Prefer summaries
19. Do you create summaries of the academic document if the summary is not available to you?
    1. Yes
    2. No
20. How do you currently create summaries for academic texts?
21. Manually read and summarize
22. Use existing summary tools or software
23. Do not create summaries
24. Are you familiar with automatic summarization tools?
    1. Yes
    2. No
25. How likely are you to use an academic summarizer tool?
    1. Very likely
    2. Likely
    3. Neutral
    4. Unlikely
    5. Very unlikely
26. What challenges do you face when summarizing academic texts?
    * 1. Identifying key points
      2. Ensuring accuracy in summarization
      3. Time constraints
27. What would motivate you to use an academic tools or software?
    * 1. Time-saving potential
      2. Improved productivity
      3. Recommendations from trusted sources
28. What do you expect from an ideal academic summarizer tool?
    1. Concise summaries
    2. Accurate content extraction
    3. Customizable summarization options
29. How do you think an academic summarizer could enhance your research or academic writing process?
    1. Save time on literature review
    2. Improve comprehension of complex texts
    3. Facilitate idea synthesis
    4. Others
30. How important is ease of use for you when using an academic summarization tool?
    1. Very important
    2. Important
    3. Somewhat important
    4. Not important
31. What aspects of user interface design do you consider crucial for a positive user experience?
    1. Intuitive navigation
    2. Clear presentation of summarized content
    3. Customizable settings
    4. Other
32. How concerned are you about the privacy and security of your data when using an online summarization tool?
    1. Very concerned
    2. Concerned
    3. Neutral
    4. Not concerned
33. Do you have any concerns about the potential misuse of your summarized academic content by the tool provider?
34. Yes
35. No
36. What factors would influence your decision to continue using such a tool in the future?
    * 1. Accuracy of summaries
    1. Regular updates and improvements
    2. Compatibility with different file formats
    3. Other

# Interview Questions:

1. Have you utilized any document or text summarization tools in your academic or research work? If yes, could you describe your experience with these tools and the specific tasks for which you used them? If no, what factors influenced your decision not to use such tools?
2. Can you describe your experience with using automated summarization tools for academic documents?
3. What specific tools have you used, and how have they impacted your research or study process?
4. How did the tool's summarization output contribute to your understanding of the document?
5. In your view, what are the potential limitations or challenges of current automated summarization tools, particularly when dealing with specialized or technical academic content?
6. From your perspective, what are the ethical considerations associated with the use of automated summarization tools in academic research?