



# CERTIFICATE OF PRESENTATION

This certificate is proudly presented to  
*Yachika, Research Scholar, Department of Social  
Science(Political Science), Faculty of Humanities and Liberal  
Education, Baba Mastnath University, Rohtak, Haryana, India*

In recognition for the paper presentation in the *International Multidisciplinary Conference On  
Beyond Boundaries : Reimagining The Intersection Of Knowledge, Innovation, And Society  
(28 Nov., 2024)* organised by *Punjab College of Commerce and Agriculture, Chunni Kalan, Fatehgarh Sahib  
(Punjab)* Sponsored by *Asian Research Foundation, New Delhi* with the article title: "*Women  
Leadership in Haryana Village Panchayats: Transforming Rural Governance Through  
Gender Inclusion*".

**P. S. Ahluwalia, Chairperson,  
Asian Research Foundation**

**Dr. Suman Deep Kaur,  
Principal, PCCA**

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(54) Title of the invention : A SYSTEM FOR AUTOMATED ANALYSIS OF POLITICAL DISCOURSE FOR SENTIMENT AND BIAS DETECTION

|                                               |  |                                                                                 |                                                                                                                                                                                     |
|-----------------------------------------------|--|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             |  | :G06F0016350000, G06N0020000000, G06F0040350000, G06Q0050000000, G06F0040300000 | (71)Name of Applicant :                                                                                                                                                             |
| (86) International Application No             |  | :NA                                                                             | 1)Yachika, Research Scholar, Department of Social Science (Political Science), Faculty of Humanities and Liberal Education, Baba Mastnath University, Rohtak, Haryana               |
| Filing Date                                   |  | :NA                                                                             | Address of Applicant :197, Himshikha Colony, Near CRPF, Gurudwara Road, Pinjore, Panchkula, Haryana-134104 Pinjore -----                                                            |
| (87) International Publication No             |  | : NA                                                                            | 2)Dr. Sonika, Assistant Professor, Subject Political Science, Department of Social sciences, Faculty of Humanities and Liberal Education, Baba Mastnath University, Rohtak, Haryana |
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| Filing Date                                   |  | :NA                                                                             | 1)Yachika, Research Scholar, Department of Social Science (Political Science), Faculty of Humanities and Liberal Education, Baba Mastnath University, Rohtak, Haryana               |
|                                               |  |                                                                                 | Address of Applicant :197, Himshikha Colony, Near CRPF, Gurudwara Road, Pinjore, Panchkula, Haryana-134104 Pinjore -----                                                            |
|                                               |  |                                                                                 | 2)Dr. Sonika, Assistant Professor, Subject Political Science, Department of Social sciences, Faculty of Humanities and Liberal Education, Baba Mastnath University, Rohtak, Haryana |
|                                               |  |                                                                                 | Address of Applicant :Sonika D/O Sh. Shripal Singh, H. No. 464, W.N. 12, Gohana Road, Near SBI ATM, Rohtak, Haryana Rohtak -----                                                    |

(57) Abstract :

The present invention discloses a system and method for automated analysis of political discourse for sentiment and bias detection. The system comprises a memory (102) for storing political discourse data and models, a processor (104) for applying natural language processing to detect sentiment and bias, a database (106) for storing results, a user interface (108) for presenting analysis, and a communication module (110) for data exchange. The method (200) involves receiving political discourse data via the communication module (110), processing the data using the processor (104), and presenting the results via the user interface (108). The invention allows structured detection of sentiment polarity and political bias classifications across various content sources, such as speeches, news articles, and social media. The system provides real-time and historical analysis with visualization and filtering features. (Fig.1 )

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**P. S. Ahluwalia, Chairperson,  
Asian Research Foundation**

**Dr. Suman Deep Kaur,  
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## 61<sup>st</sup> All India Political Science Conference & International Seminar on

### Viksit Bharat @ 2047

18<sup>th</sup>-19<sup>th</sup> October, 2024

This is to certify that Prof./Dr./Mr./Ms. YACHIKA has participated and presented a paper entitled:- Digital Democracy & E-Governance in India in the 61<sup>st</sup> All India Political Science Conference and International Seminar on Viksit Bharat @ 2047 of the Indian Political Science Association (IPSA) on 18<sup>th</sup>-19<sup>th</sup> October 2024 organized by Maharaja Ganga Singh University, Bikaner (Rajasthan).

*Geetanjali Dash.*  
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*Bhixi2*  
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