



Brief Report of An One Week (ONLINE) FDP

on

Applications of Machine Learning in Social Science Research

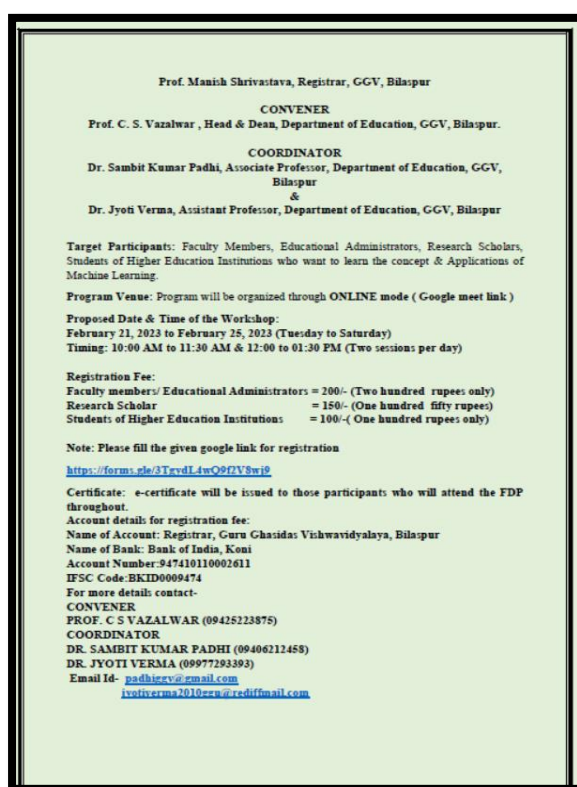
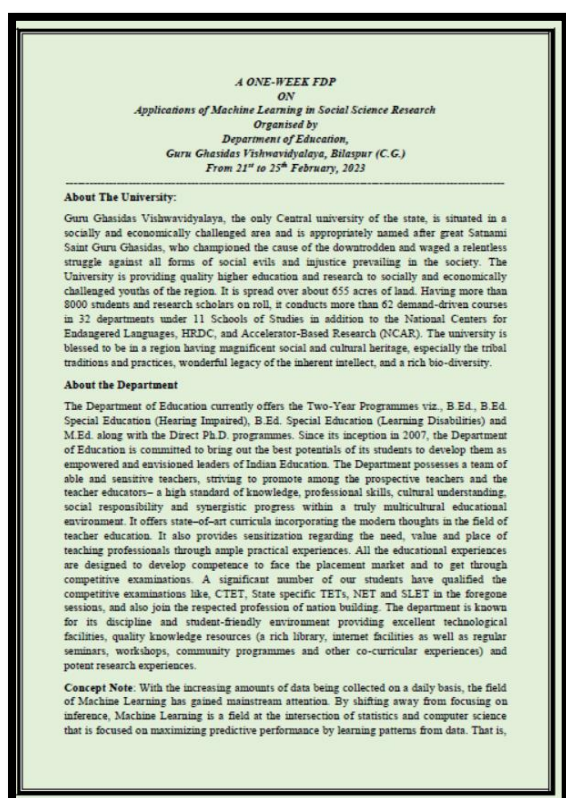
**Organised by the Department of Education,
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)**

Date of Event : February 21-25, 2023

Venue : Online through Google Meet

Total Registration Fee collected: 30,650/-

Total fund generated: 14, 650/-



Programme brochure

Details of Event Proceedings

Date (DD-MM-YYYY)	Details of the Session	Details of Resource Person	Number of Participants
21/02/2023	Session I	P Dr. T Rahul, Department of School of Management, National Institute of Technology, Warangal.	186
21/02/2023	Session II	Professor, Bhaskar Mukharjee, Libraan, Banaras Hindu University,	186



		Varanasi	
22/02/2023	Session I	Dr. Pradyot Ranjan Jena, Associate Professor, School of Humanities, Social Sciences & Management, NIT, Karnataka, Surathkal.	186
22/02/2023	Session II	Dr. Pushpalata Pujari, Assistant Professor, Dept of Computer Science and Information Technology (CSIT), GGV, Central University, Bilaspur, (C.G)	186
23/02/2023	Session I	Prof. Siba K Udgata, School of Computer and Information Sciences, University of Hyderabad	186
23/02/2023	Session II	Dr. Sambit Bakshi, Assistant Professor, Department of Computer Science and Engineering, NIT, Rourkela	186
24/02/2023	Session I	Dr. Pushpalata Pujari, Assistant Professor, Dept of Computer Science and Information Technology (CSIT), GGV, Central University, Bilaspur, (C.G)	186
24/02/2023	Session II	Dr. Babita Manjhi, Assistant Professor, Dept of Computer Science and Information Technology (CSIT), GGV, Central University, Bilaspur, (C.G)	186
25/02/2023	Session I & Session II	Prof. H. S. Hota, Professor & Head, Department of Computer Science & Application, Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur, Chhattisgarh	186

A Brief Abstract of the Event

Department of Education, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh has organised an one week (Online) FDP on “Applications of Machine Learning in Social Science Research “ from February 21-25, 2023. The Convener of the FDP was Prof. C. S. Vazalwar, Head, Department of Education, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), and Dr. Sambit Kumar Padhi, Associate Professor, Department of Education, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) and Dr. Jyoti Verma, Assistant Professor, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) were the coordinators of the programme. The FDP was organized through google meet.

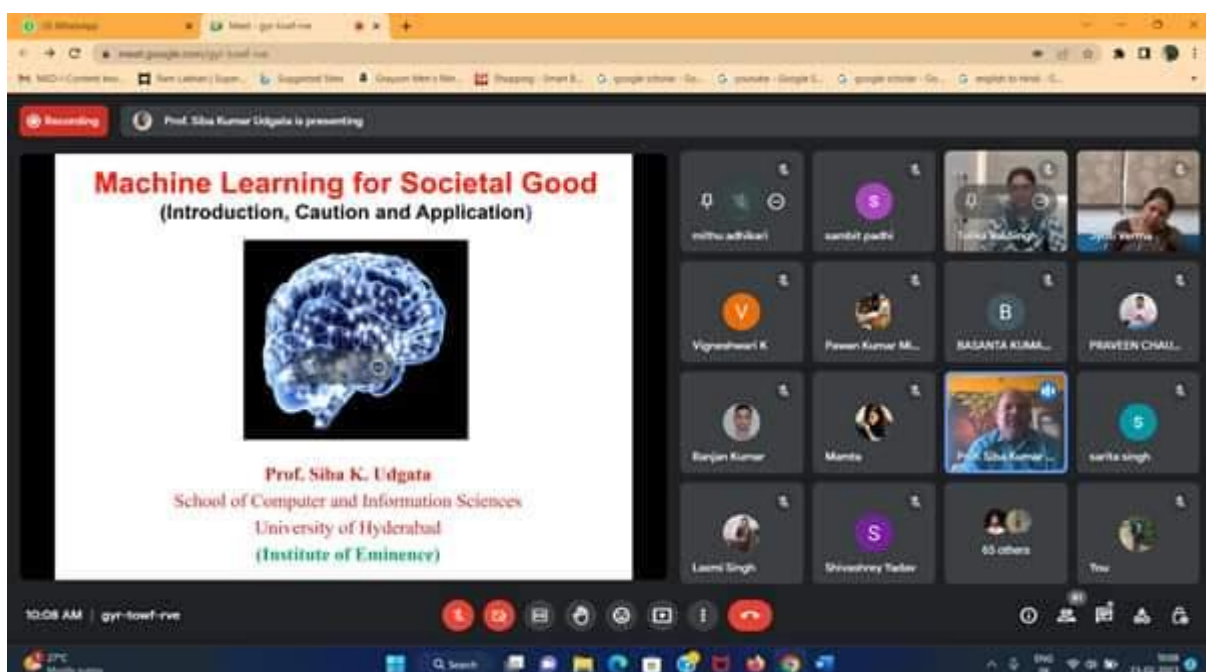
The objectives of the FDP was-

- To understand the basics underlying Machine Learning.
- To be able to formulate Machine Learning problems (statement, research questions, research hypothesis, design of the study, material and methods required/ instrumentation, etc.) corresponding to different applications.
- To understand a range of machine learning algorithms along with their strengths and weaknesses.
- To be able to apply Machine Learning algorithms to solve problems related to social sciences.

The participants of the FDP were faculty members of higher education institutions and research scholars. A total of 186 participants have participated in the FDP. All participants of the programme were awarded the certificate of participation. The topics Covered During the FDP were-

- Fundamentals of tool construction
- Types of Tools : Questioner, Test, Scale, Inventory, Observation Schedule
- Steps of tool construction
- Reliability and Validity: Concept, Types, methods of calculation
- EFA and CFA and finalisation of tools
- Preparing manuals and Norms establishment. publication ethics
- Targeting and selection of journal for publication (Scopus, Web of Science, and Pub Med etc.)
- AI Tools for research and publication

At the end of FDP participation certificate was awarded to the participants.



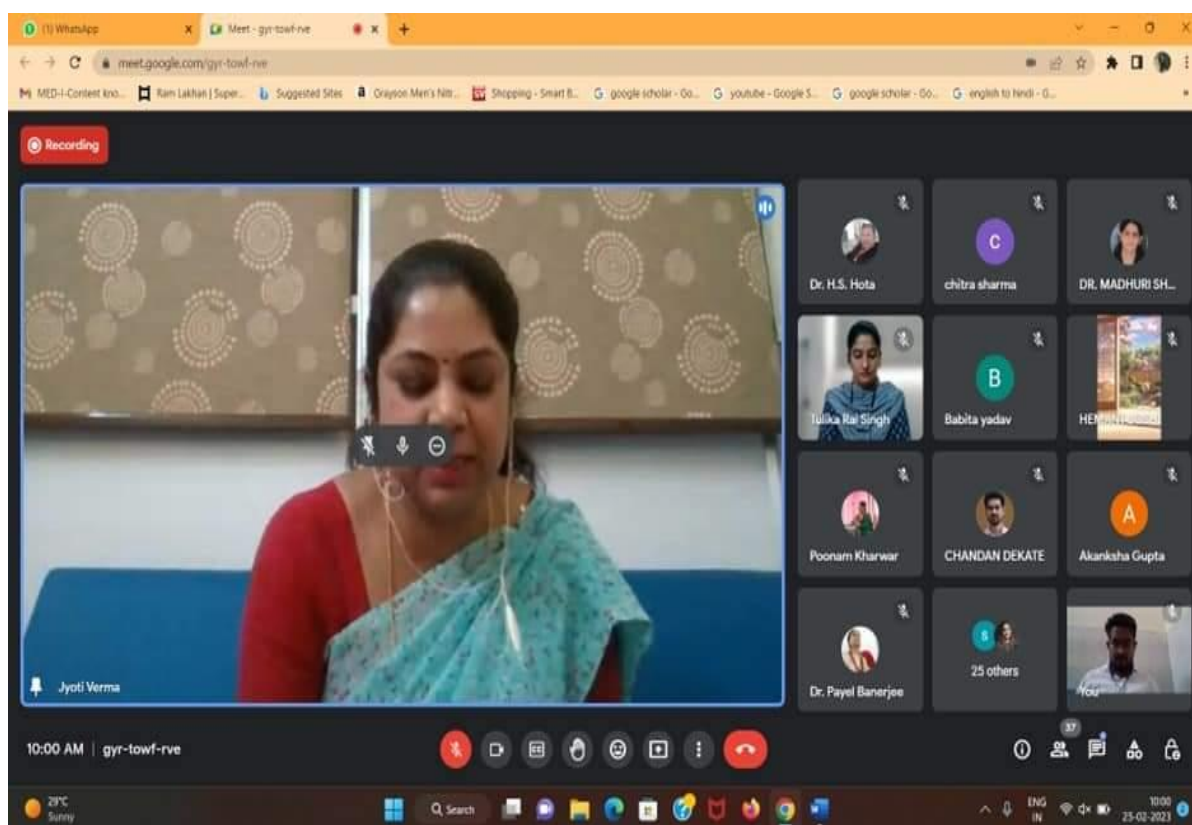
गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
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Koni, Bilaspur - 495009 (C.G.)



Dr. Sambit Bakhi, Resource person of the session

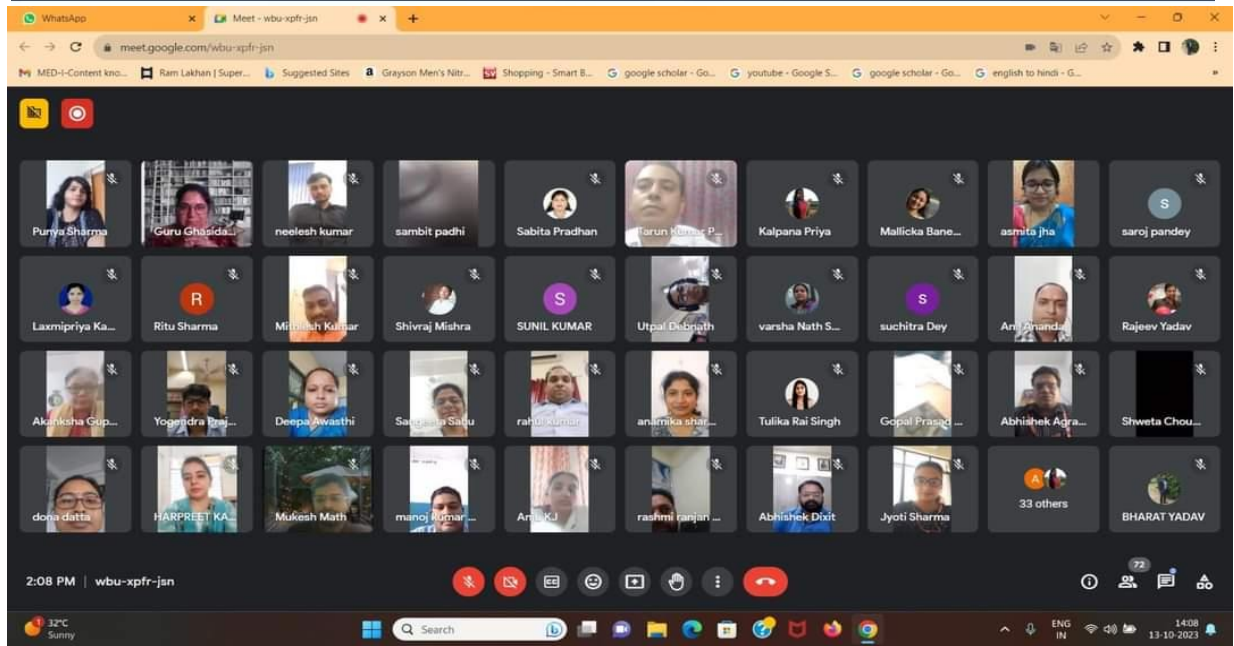


Dr. Jyoti Verma, Coordinator of the workshop was given vote of thanks to the participants in valedictory session.

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Group Photo with participants

Head
Department of Education
Guru Ghasidas Vishwavidyalaya
Bilaspur (C.G.)

Head