गुरु घासीदास विश्वविद्यालय (केन्द्रीय विश्वविद्यालय अधिनियम २००९ क्र. २५ के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)

Guru Ghasidas Vishwavidvalava

(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)

Koni, Bilaspur - 495009 (C.G.)

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

: Online through Google Meet

Total Registration Fee collected: 30,650/-

Total fund generated: 14, 650/-

A ONE-WEEK FDP

ON
Applications of Machine Learning in Social Science Research
Organised by
Department of Education,
Guru Ghasidas Vishwavidejae, Bilaspur (C.G.)
From 21" to 25th February, 2023

About The University:

Gunn Ghasidas Vibinevaidyalaya, the only Central university of the state, is simated in a socially and economically challenged area and is appropriately named after great Satnami Saim Gunn Ghasidas, who championed the cause of the downstrodden and waged a relenalies struggle against all forms of social evils and injustice prevailing in the society. The University is providing quality higher education and research to socially and economically challenged youths of the region. It is spread over about 655 acres of land, Hvizing more than 8000 students and research scholars on soil, it conducts more than 62 demand-driven courses in 32 departments under 11 Schools of Studies in addition to the National Centers for Endangered Languages, HRDC, and Accelerator-Based Research (NCAR). The university is bessed to be in a region having magnificent social and cultural bearings, especially the tribul traditions and practices, wonderful legacy of the inherent intellect, and a rich bio-diversity.

About the Basearchampil

About the Department

The Department of Education currently offers the Two-Year Programmes viz., B.Ed., B.Ed.
Special Education (Hearing Impaired), B.Ed. Special Education (Learning Disabilities) and
M.Ed. along with the Direct Ph.D. programmes. Since its inception in 2007, the Department
of Education is committed to bring out the best potentials of its students to develop them as
empowered and eavisioned leaders of Indias Education. The Department possesses a team of
able and sensitive teachers, striving to promote among the prospective teachers and the
seacher education—a high studend of Innoviledge, professional skills, cultural understanding,
social responsibility and synergistic progress within a truly multicultural educational
eavironment. In Offers state—of-art curricula incorporating the modern thoughts in the field of
teacher education. It also provides sensitization regarding the need, value and place of
teaching professionals through ample practical experiences. All the educational experiences
are designed to develop competence to face the placement market and to get through
competitive examinations. A significant number of our students have qualified the
competitive examinations like, CTET, State specific TETs, NET and SLET in the foregone
sessions, and also join the respected profession of nation building. The department is known
for its discipline and student-friendly environment providing excellent technological
facilities, quality knowledge resources (a rich bibrary, internet facilities as well as regular
seminars, workshops, community programmes and other co-curricular experiences) and
potent research experiences.

Concept Note: With the increasing amounts of data being collected on a daily basis, the field of Machine Learning has gained mainstream attention. By shifting away from focusing on inference, Machine Learning is a field at the intersection of statistics and computer science that is focused on maximizing predictive performance by learning patterns from data. That is,

Prof. Manish Shrivastava, Registrar, GGV, Bilaspur

CONVENER
Prof. C. S. Vazalwar , Head & Dean, Department of Education, GGV, Bilaspur

COORDINATOR

Dr. Sambit Kumar Padhi, Associate Professor, Department of Education, GGV, Bilaspur

& Dr. Jyoti Verma, Assistant Professor, Department of Education, GGV, Bilaspur

Program Venue: Program will be organized through ONLINE mode (Google meet link)

Proposed Date & Time of the Workshop: February 21, 2023 to February 28, 2023 (Tuesday to Saturday) Timing: 10:00 AM to 11:30 AM & 12:00 to 01:30 PM (Two sessions per day)

Registration Fee:
Faculty members/ Educational Administrators = 200/- (Two hundred rupees only)
Fasearch Scholar = 150/- (One hundred fifty rupees)
Students of Higher Education Institutions = 100/-(One hundred rupees only)

Note: Please fill the given google link for registration

https://forms.gle/3TgydL4wQ9f2V8wj9

Certificate: excertificate will be issued to those participants who will attend the FDP throughout.

Account details for registration fee:

Name of Account: Registrar, Guru Chasidas Vishwavidyalaya, Bilaspur Name of Bank: Bank of India, Koni

Account Number-947410110002611

IFSC Code:BKID0000474

For more details contect.

IFSC Code-BKID0009474
For more details contactCONVENER
PROF. C S VAZALWAR (09425223875)
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lyotirerma 20 loren@rediffmail.com

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

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		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.



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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-

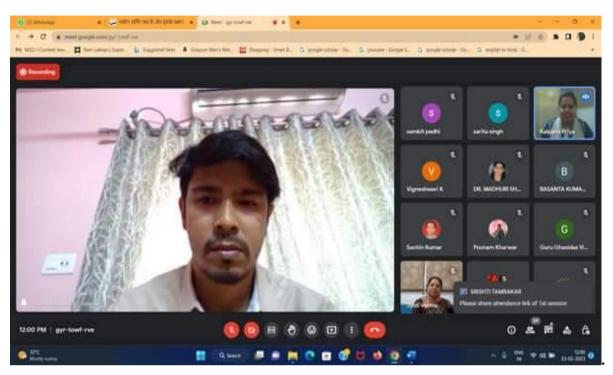
- Fundamentals of tool construction
- Types of Tools: Questioner, Test, Scale, Inventory, Observation Schedule
- Steps of tool construction
- Reliability and Validity: Concept, Types, methods of calculation
- EFA and CFA and finalisation of tools
- Preparing manuals and Norms establishment. publication 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.



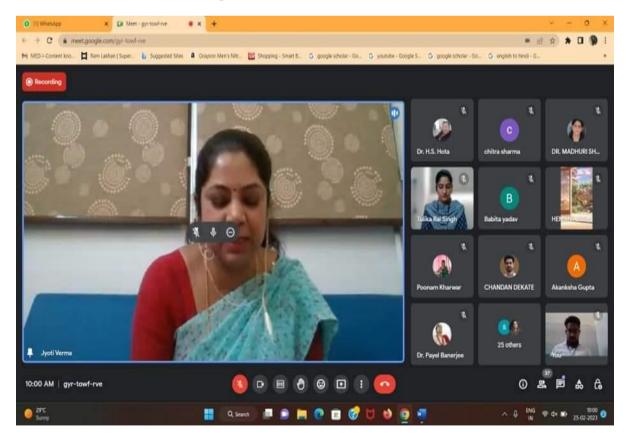
गुरु घासीदास विश्वविद्यालय (केत्रीय विश्वविद्यालय अधिनम 2008 क्र. 25 के अंतर्गत स्वापित केन्द्रीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



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Dr. Sambit Bakhi, Resource person of the session



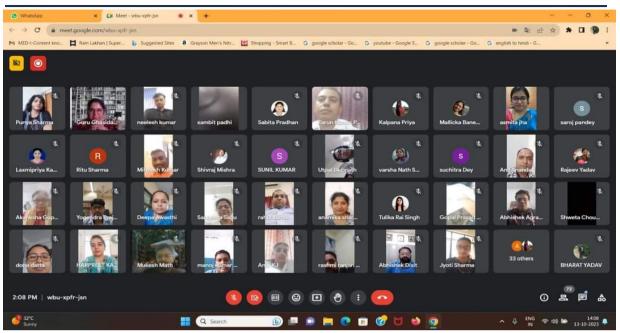
Dr. Jyoti Verma, Coordinator of the workshop was given vote of thanks to the participants in valedictory session.

गुरु घासीदास विश्वविद्यालय (केन्रीय विश्वविद्याल अधिनम 2009 ज. 25 के अंतर्गत स्थापित केन्नीय विश्वविद्यालय) कोनी, बिलासपुर - 495009 (छ.ग.)



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Koni, Bilaspur - 495009 (C.G.)



Group Photo with participants

Head
Department of Education
Guru Ghesides Vickwavidyalaya
Blaspur (C.Q.)

Head