A Report on 03 hours Hands-on Workshop
on
Propel Your Research Using the Power of AI

The Workshop was sponsored by: -

Department of Production & Industrial Engineering, BIT, Mesra, Ranchi, Jharkhand, India.

Date: 04/07/2023
Timings 10:00 am to 01:00 pm

"PROPEL YOUR RESEARCH USING THE POWER OF AI"

Speaker Name: Dr. Joyjeet Ghose

I am pleased to present the report on the recently conducted workshop titled "Propel Your Research Using the Power of AI." The workshop took place on 04.07.2023 and aimed to provide participants with hands-on experience and practical knowledge on leveraging artificial intelligence (AI) to enhance their research endeavors. The workshop spanned 3 hours and covered several key aspects related to AI in research.

The session was started by Dr. *Joyjeet Ghose*, Associate Professor, and Head, in the simulation lab, Department of Production & Industrial Engineering, BIT, Mesra focussed on various points as follows: --

- Dr **Ghose** glows on the milestone of AI and inculcates to create the knowledge, through various research tools through Artificial intelligence techniques.

- Dr. **Ghose's** talk was eye-opened, discussed and enlightening on trending topics likewise SCISPACE, Chat Gpt, Zotero, Chatdoc, Research Rabbit, Wepik AI, Tome, Connected papers, etc.

Workshop Objectives:

The primary objectives of the workshop were as follows:
a. To introduce participants to the concept of AI and its relevance in the research domain.
b. To familiarize participants with various AI techniques and tools applicable to research.
c. To provide hands-on experience through practical exercises.
d. To encourage participants to apply AI techniques in their respective research areas.

Workshop Agenda:

The workshop was divided into the following sessions:

Session 1:

Introduction to Propel your Research through AI tools.

Definition and Overview of AI

Importance and applications of AI in research

Key AI techniques used in research

Real-world examples highlighting the impact of AI in research

Session 2:

AI Tools and Platforms for Research

Overview of Popular AI Tools and Platforms

Exploring data pre-processing and feature selection techniques

Demonstrations of AI tools used in research projects

Session 3:

Hands-on Workshop

Guided exercises to apply AI techniques in research scenarios

Workshop Highlights:

- Engaging Presentations: The workshop began with informative presentations that provided a solid foundation on AI concepts and their role in research. Participants gained a comprehensive understanding of AI's potential and its impact on various fields.
- Interactive Sessions: The workshop encouraged active participation from attendees. The interactive sessions fostered discussion and allowed participants to share their research challenges and explore potential AI solutions.
- Hands-on Experience: The practical exercises in Session 3 provided participants with an opportunity to apply AI techniques themselves. Through guided workshops and how to prepare PPT by linking through MS 365, attendees learned how to implement AI tools and analyze research data effectively.

The overall response was overwhelmingly positive, with participants expressing high satisfaction with the workshop content, delivery, and practical exercises. The majority of participants found the hands-on session particularly valuable, as it provided them with the necessary skills to apply AI techniques to their ongoing research. The workshop on "Propel Your Research Using the Power of AI" successfully achieved its objectives of introducing participants to AI in research, the workshop received positive feedback, indicating its effectiveness in meeting the expectations of the attendees.

The following snapshots, registration, and attendance sheet are attached to this report.

Thanks and Regards
Dr. Joyjeet Ghose,
Associate Professor & Head,
Department of Production & Industrial Engineering,
BIT, Mesra, 835215 Campus
Ranchi, Jharkhand, India

Participants Count

No. of Faculty Members Attended	No. of Research Scholars Attended	Total Participants
08	16	24

Enclosed images & Attendance: ---

Attendance Sheet of Participants

03 Hours Hands-on Workshop on Propel Your Research
(04, July 2023)
under
Department of Production & Industrial Engineering,
"Research Using the Power of AI"

Venue: Simulation Lab, Department of Production & Industrial Engineering, BIT Mesra (JH) 835215,

S.No.	Name	Institute	UG/PG/Research Scholar/Faculty member	Attendance — 3 hours Session — Dr. Joyjeet Ghose, Associate Professor & Head Deptt. of PIE, BIT, Mesra (Resource Person) — Signature with the date.
1.	Mr. Rohit Agrawal	BIT Mesra	Research Scholar	Absent
2.	Mr. Nishant	BIT Mesra	Research Scholar	7/july/23.
3.	Mr. Kumar Kanishka	BIT Mesra	Research Scholar	
4.	Mr. Utkarsh Pandey	BIT Mesra	Research Scholar	04/07/2023
5.	Mrs. Pooja Verma	BIT Mesra	Research Scholar	Pooja
6.	Mr. Prakash Kumar	BIT Mesra	Research Scholar	Prakash Kumar 4/07/2
7.	Mr. Ghulam Anwer	BIT Mesra	Research Scholar	Absent
8.	Mr. Ranjeet Prasad	BIT Mesra	Research Scholar	Ranjeet Prasad 04/07/23
9.	Mr. Suresh Pratap	BIT Mesra	Research Scholar	
10.	Mr. Shatrudhan Pandey	BIT Mesra	Research Scholar	Shatrudhan Pandey
11.	Mr. Purushottam Kumar	BIT Mesra	Research Scholar	Purushottam Kumar 04/07/2023
12.	Mr. Anshu Anand	BIT Mesra	Research Scholar	Absent
13.	Dr. Vinay Sharma	BIT Mesra	Faculty member	Absent
14.	Dr. Binay Kumar	BIT Mesra	Faculty member	04/07/23
15.	Dr. Bappa Acherjee	BIT Mesra	Faculty member	04/07/23
16.	Dr. Gayatri Paul	BIT Mesra	Faculty member	Absent
17.	Dr. Somak Dutta	BIT Mesra	Faculty member	4/7/23.
18.	Dr. Sanjiv Tiwari	BIT Mesra	Faculty member	Absent
19.	Dr. Abhishek Singh	BIT Mesra	Faculty member	4/7/23
20.	Mr. Thakur Abhinav Amar	BIT Mesra	Faculty member	4/7/23
21.	Dr. Prashant Prakash	BIT Mesra	Faculty member	Prashant 04/7/23
22.	Dr. Randhir Singh	BIT Mesra	Faculty member	R Kumar 04/07/23
23.	Dr. Somak Dutta	BIT Mesra	Faculty member	
24.	Dr. Manish Oraon	BIT Mesra	Faculty member	Manish Oraon 4/7/2023
25.	Dr. Suman Samanta	BIT Mesra	Faculty member	Absent
26.	Dr. Sanjay Kumar Jha	BIT Mesra	Faculty member	Absent
27.	Dr. L.N. Pattnaik	BIT Mesra	Faculty member	Absent
28.	Dr. Ritesh Kr. Singh	BIT Mesra	Faculty member	Absent
29.	Siradtha Agrawal	BIT Mesra	Research Scholar	Agrawal 04/7/2023
30.	Sushila Upadhyay	BIT Mesra	Research Scholar	S Upadhyay, 04/7/23
31.	Anand kumar	BIT Mesra	Research Scholar	Anand Kumar
32.	Aishwarya yadav	BIT Mesra	Research Scholar	Aishwarya
33.	Shyam kumar Rajak	BIT Mesra	Research Scholar	Shyam
34.	Pallavi Kumari	BIT Mesra	Research Scholar	Pallavi
35.	Anvi Priya	BIT Mesra	Research Scholar	Anvi
36.				
37.				
38.				

For any further queries, the applicants may contact the undersigned.
WORKSHOP COORDINATOR & CONTACT PERSON
The complete registration form should reach by e-mail or in person to the following address:
Dr. Joyjeet Ghose
Associate Professor & Head,
Department of Production and Industrial Engineering,
BIT Mesra, Pin code 835215 Jharkhand, India.
E-mail: joyjeet@bitmesra.ac.in
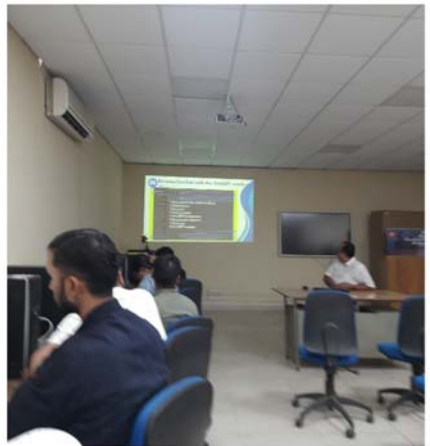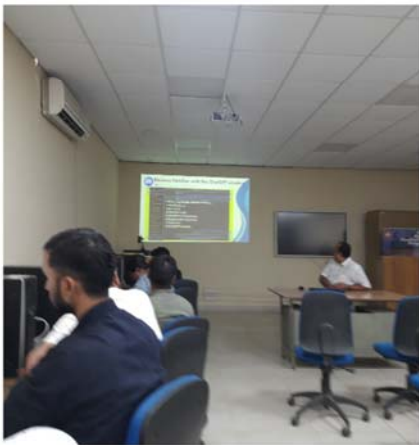
Registration Sheet of Participants

03 Hours Hands-on Workshop on Propel Your Research
(04, July 2023)
under
Department of Production & Industrial Engineering,
"Research Using the Power of AI"

Venue: Simulation Lab, Department of Production & Industrial Engineering, BIT Mesra (JH) 835215.

S.No.	Name	Institute	UG/PG/Scholar/Faculty Member	Email id.	Mobile no.	Signature
1.	Mr. Rohit Agrawal	BIT Mesra	Research Scholar	rohitagrawal929@gmail.com	9304727893	Absent
2.	Mr. Nishant	BIT Mesra	Research Scholar	nishantsanu1616@gmail.com	9204125253	*signature* 4/7
3.	Mr. Kumar Kanishka	BIT Mesra	Research Scholar	phdpe10054.20@bitmesra.ac.in	9199996639	*signature* 4/7/2023
4.	Mr. Utkarsh Pandey	BIT Mesra	Research Scholar	Utkarsh123pandey@gmail.com	9907654004	*signature* 4/7/23
5.	Mrs. Pooja Verma	BIT Mesra	Research Scholar	poojakatheria@gmail.com	9430125164	Pooja 4/7
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7.	Mr. Ghulam Anwer	BIT Mesra	Research Scholar	ghulam.anwer@gmail.com	9711342768	Absent
8.	Mr. Ranjeet Prasad	BIT Mesra	Research Scholar	ranjeet.5994@gmail.com	9406319812	*signature* 4/7/23
9.	Mr. Suresh Pratap	BIT Mesra	Research Scholar	sureshpratap@yahoo.com	7479855959	*signature*
10	Mr. Shatrudhan Pandey	BIT Mesra	Research Scholar	er.shatrudhanp@gmail.com	9905163726	*signature* 4/7/23
11	Mr. Purushottam Kumar	BIT Mesra	Research Scholar	koolpk2050@gmail.com	7762849725	*signature* 04/07/2
12	Mr. Anshu Anand	BIT Mesra	Research Scholar	Phdpe10051.20@bitmesra.ac.in	9654215585	Absent
13	Dr. Vinay Sharma	BIT Mesra	Faculty member	vinay@bitmesra.ac.in	8877024445	Absent
14	Dr. Binay Kumar	BIT Mesra	Faculty member	binaykumar@bitmesra.ac.in	8709337300	*signature* 4/07/23
15	Dr. Bappa Acherjee	BIT Mesra	Faculty member	bappa.rana@gmail.com	8294270873	*signature*
16	Dr. Gayatri Paul	BIT Mesra	Faculty member	gayatri@bitmesra.ac.in	9674923164	Absent
17	Dr. Somak Dutta	BIT Mesra	Faculty member	somakdatta@bitmesra.ac.in	7631255287	Som 4/7
18	Dr. Sanjiv Tiwari	BIT Mesra	Faculty member	sanjivtiwari@bitmesra.ac.in	9431356570	Absent
19	Dr. Abhishek Singh	BIT Mesra	Faculty member	abhishekkumar@bitmesra.ac.in	9955648907	*signature* 4/7/23
20	Mr. Thakur Abhinav Amar	BIT Mesra	Faculty member	Abhinav.amar@bitmesra.ac.in	9572160424	*signature* 04/7/23
21	Dr. Prashant Prakash	BIT Mesra	Faculty member	prashantprakash@bitmesra.ac.in	9504967652	
22	Dr. Randhir Singh	BIT Mesra	Faculty member	randhirkumar@bitmesra.ac.in	9304538489	*signature* 4/07/23
23	Dr. Somak Dutta	BIT Mesra	Faculty member	somakdatta@bitmesra.ac.in	7631255287	Som 4/7/23
24	Dr. Manish Oraon	BIT Mesra	Faculty member	moraon@bitmesra.ac.in	9304592245	*signature* 4/7/2023
25	Dr. Suman Samanta	BIT Mesra	Faculty member	sumansamanta@bitmesra.ac.in		Absent
26	Dr. Sanjay Kumar Jha	BIT Mesra	Faculty member	sanjayjha@bitmesra.ac.in	9431173491	Absent
27	Dr. L.N. Pattanaik	BIT Mesra	Faculty member	lnpattanaik@bitmesra.ac.in	7857826787	Absent
28	Dr. Ritesh Kr. Singh	BIT Mesra	Faculty member	riteshsingh@bitmesra.ac.in	9431171181	Absent
29	Shyam Kumar Rajak	BIT Mesra	Research Scholar	shyamrajak9s@gmail.com	8521435183	*signature*
30	Anand Gaurav	BIT Mesra	Research Scholar	anandgaurav58030gmail.com	8409888266	*signature*
31	Sushmita Upadhyay	BIT Mesra	Research Scholar	phdec12001.21@bitmesra.ac.in	8017494185	*signature*
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33	Shraddha Agrawal	BIT Mesra	Research Scholar	agrawalsj.neha@gmail.com	9155476677	*signature*
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36						
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Enclosed: - Collage of 3 hours' Workshop on Propel your Research Using the power of AI.