



**PENDRI (MASTURI), BILASPUR (C.G.)**

**Value Added Course  
on  
Artificial Intelligence in Research  
Date -18.02.2026 to 25.02.2026**





**PENDRI (MASTURI), BILASPUR (C.G.)**

**Value Added Course  
on  
Artificial Intelligence in Research  
Date -18.02.2026 to 25.02.2026**





**PENDRI (MASTURI), BILASPUR (C.G.)**

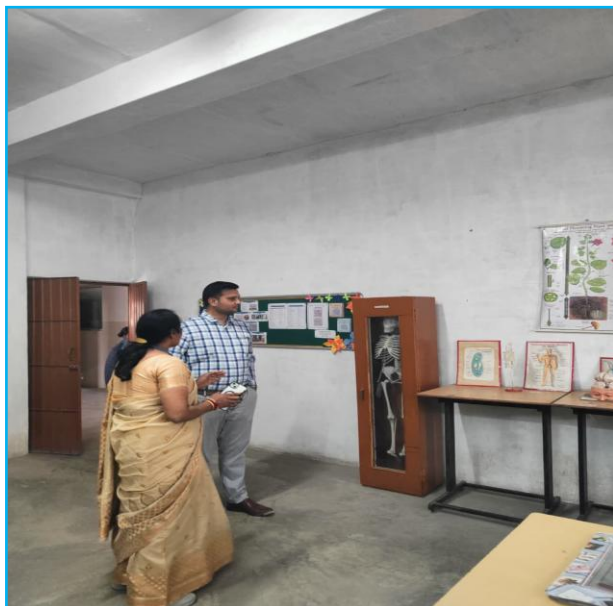
**Value Added Course  
on  
Artificial Intelligence in Research  
Date -18.02.2026 to 25.02.2026**





**PENDRI (MASTURI), BILASPUR (C.G.)**

**Value Added Course  
on  
Artificial Intelligence in Research  
Date -18.02.2026 to 25.02.2026**





**PENDRI (MASTURI), BILASPUR (C.G.)**

**Value Added Course  
on  
Artificial Intelligence in Research  
Date -18.02.2026 to 25.02.2026**





**PENDRI (MASTURI), BILASPUK (C.G.)**

**Value Added Course  
on  
Artificial Intelligence in Research  
Date -18.02.2026 to 25.02.2026**





**PENDRI (MASTURI), BILASPUR (C.G.)**

**Value Added Course  
on  
Artificial Intelligence in Research  
Date -18.02.2026 to 25.02.2026**





**PENDRI (MASTURI), BILASPUR (C.G.)**

**Value Added Course  
on  
Artificial Intelligence in Research  
Date -18.02.2026 to 25.02.2026  
REPORT**

Value Added Course Report (For NAAC)

The value-added course titled “AI in Research” was conducted with the objective of enhancing students’ research skills through the application of Artificial Intelligence tools and techniques. The course introduced the fundamental concepts of AI and its role in various stages of research such as literature review, data analysis, and academic writing.

The course content focused on practical exposure to AI-based tools, enabling students to improve efficiency, accuracy, and productivity in their research work. Ethical considerations, including plagiarism, data privacy, and responsible use of AI, were also discussed.

**Resource Person / Expert Details:**

**Name of Expert** : Dr. Alok Kushwaha

**Designation** : Director UGC MMTC,  
Guru Ghasidas University, Bilaspur (C.G.)

The teaching methodology included interactive lectures, demonstrations, hands-on practice sessions, and assignments. Students actively participated and gained valuable experience in using modern research tools.

As an outcome, students developed a better understanding of AI applications in research. They enhanced their ability to conduct literature reviews, analyze data efficiently, and improve academic writing skills. The course also created awareness about ethical research practices.

Overall, the course proved to be beneficial in strengthening students’ research capabilities and aligns with NAAC’s focus on skill-based and outcome-oriented education.

**Prepared by:** Mrs. Suchitra Dey

**Department:** Education Department

**Institution:** Sandipani Academy, Pendri (Masturi), Bilaspur (C.G.)

**Date:** 18.02.2026 to 25.02.2026



**PENDRI (MASTURI), BILASPUR (C.G.)**

**Value Added Course  
on  
Artificial Intelligence in Research  
Date -18.02.2026 to 25.02.2026**

**Value Added Course: AI in Research (7 Days)**

**Course Duration : 7 Days**

**Target Audience : UG/PG Students, Research Scholars**

**Course Objective :** To introduce participants to the role of Artificial Intelligence (AI) in modern research, including literature review, data analysis, academic writing, and ethical considerations.

---

**Day-wise Content**

**Day 1: Introduction to AI in Research**

- Meaning and scope of Artificial Intelligence
  - Role of AI in academic and scientific research
  - Applications of AI across disciplines
  - Overview of AI tools used in research
- 

**Day 2: AI Tools for Literature Review**

- Smart literature search techniques
  - AI-based platforms (e.g., Google Scholar, Semantic Scholar)
  - Reference management tools (Zotero, Mendeley)
  - Avoiding plagiarism using AI tools
- 

**Day 3: Research Problem Identification using AI**

- Identifying research gaps
  - AI-assisted topic selection
  - Keyword analysis and trend identification
  - Framing research questions
- 

**Day 4: Data Collection and Analysis using AI**

- Types of research data (qualitative & quantitative)
  - AI tools for data collection (surveys, scraping basics)
  - Introduction to data analysis tools (Excel, Python basics)
  - Visualization using AI
-

### **Day 5: Academic Writing with AI Assistance**

- AI tools for writing (ChatGPT, Grammarly, Quillbot)
  - Structuring research papers (Abstract, Introduction, etc.)
  - Citation and referencing styles (APA, MLA)
  - Improving clarity and coherence
- 

### **Day 6: Ethics and Challenges in AI Research**

- Ethical issues in AI usage
  - Plagiarism and academic integrity
  - Bias in AI models
  - Limitations of AI in research
- 

### **Day 7: Practical Session & Assessment**

- Hands-on practice with AI tools
  - Mini research proposal preparation
  - Presentation by participants
  - Feedback and evaluation
- 

### **Learning Outcomes**

By the end of the course, participants will be able to:

- Understand AI applications in research
  - Use AI tools for literature review and writing
  - Identify research problems effectively
  - Apply ethical practices in AI-assisted research
- 

### **Assessment Method**

- Participation in sessions
  - Assignment/mini project
  - Final presentation
- 

### **Certification**

Participants who complete all sessions and assessments will receive a certificate.