

“Bridging AI and Explainability with AI Fundamentals and Applications”05th to 09th July 2025

विश्वजीवनामृतं ज्ञानम्

Organized byDepartment of
Computer
Science and
Engineering,ABV-Indian
Institute of
Information
Technology
and
Management
Gwalior**(ABV-IIITM)***(An Institute
of national
importance
established
by ministry of
education)***Lecture Slides,
Source codes and
E-Certificates will
be provided to all
the participants**

About: This course is designed to explore the critical intersection of artificial intelligence (AI) and model interpretability. This five-day intensive program will cover foundational AI and machine learning (ML) concepts, deep learning architectures, and cutting-edge techniques for developing explainable AI (XAI) systems. Participants will gain hands-on experience with XAI tools and frameworks while examining real-world applications in healthcare, finance, agriculture, autonomous systems, etc. Furthermore, research scope, ethical considerations and emerging trends in responsible AI will also be discussed.

Target Audience:

- **Researchers and Students:** Graduate and undergraduate students in computer science, engineering, and related fields, as well as researchers working on AI/ML, interpretability, or AI ethics.
- **Educators and Academicians:** Faculty members teaching AI/ML, ethics, or applied data science.
- **Industry Professionals:** Data scientists, engineers, and developers seeking to implement transparent AI solutions, particularly in regulated industries.

Objectives and course content:

- **AI Fundamentals & Explainability:** Introduce core ML/DL concepts and the importance of interpretability in AI systems.
- **Methods for Explainable AI:** Explore techniques such as SHAP, LIME, attention mechanisms, and rule-based explanations.
- **Domain-Specific Applications:** Demonstrate XAI implementations in healthcare (diagnostics), finance (risk assessment), and autonomous systems (safety).
- **Hands-on Sessions:** Provide practical experience using Python, TensorFlow, PyTorch, and XAI libraries to build and interpret models. Skill based more hands on sessions

Sessions:

Self sponsored one week short term course/faculty development program on 5th to 9th July, 2025 will be conducted in online mode. There will be two interactive sessions per day (lecture and hands-on) of 90 minutes each.

For more details visit institute website.

Registration Fees *

Students (UG/PG/PhD): 500/-
Faculty: 1000/-
Industry: 2500/-

* Including GST

Payment can be done using bank account details or UPI details

Registration Form

<https://forms.gle/MUjg4gBo1AFcWpk78>

Note: Only limited are seats are available.
Last date to register – 30th June, 2025.

Bank Account Details

- **Account Name:**
 - Director, ABV-IIITM, Gwalior
- **Account Number:**
 - 945210110009380
- **Name of the Bank:**
 - Bank of India
- **IFSC Code:**
 - BKID0009462
- **Bank Address and Branch:**
 - IIITM Branch, Gwalior

UPI ID

boim-945263969380@boi

Scan to Pay**Course Coordinators**

- **Dr. Narinder Singh Punn**
 - +91-7018466740
 - nspunn@iiitm.ac.in
- **Dr. Vivek Tiwari**
 - +91-9630246099
 - vivektiwari@iiitm.ac.in