



## IMPLEMENTATION AGREEMENT

**BETWEEN**  
**ELECTRICAL AND INFORMATICS ENGINEERING DOCTORAL STUDY PROGRAM**  
**FACULTY OF ENGINEERING**  
**UNIVERSITAS NEGERI MALANG**  
**AND**  
**INTERNATIONAL RELATIONS AND COLLABORATIONS CENTRE**  
**INTI INTERNATIONAL UNIVERSITY**

**ON**  
**RESEARCH COLLABORATION TITLED**  
***MODEL REKOMENDASI HIBRIDA MULTI-ASPEK MENGGUNAKAN INTEGRASI DEEP MATRIX FACTORIZATION DAN ASPECT-AWARE BERT DENGAN ATTENTION-GATED FUSION***

Ref: 8.5.8/UN32.5.5.3.7/KS/2026

This Implementation Agreement is entered into force on Friday, May 08, 2026 by and between:

1. Dr. Ir. Triyanna Widiyaningtyas, M.T.: Head of Electrical and Informatics Engineering Doctoral Study Program, whom therefore legally represents and acts for and on behalf of the Electrical and Informatics Engineering Doctoral Study Program, Faculty of Engineering, Universitas Negeri Malang, whose address is at Jalan Semarang 5, Malang, hereinafter referred to as Party I.
2. Prof. Dr. Deshinta Arrova Dewi: Director, whom therefore legally represents and acts for and on behalf of the International Relations and Collaborations Centre, INTI International University, whose address is at Persiaran Perdana BBN Putra Nilai, 71800 Nilai, Negeri Sembilan, Malaysia, hereinafter referred to as Party II.

**PARTY I** and **PARTY II** hereinafter referred to collectively as **THE PARTIES**. The Parties hereby agree to jointly arrange an Implementation Agreement on the program Research Collaboration *Titled Model Rekomendasi Hibrida Multi-aspek Menggunakan Integrasi Deep Matrix Factorization dan Aspect-aware Bert dengan Attention-gated Fusion* Organized by **THE PARTIES** as regulated in the following articles.

### **Article 1** **PURPOSE AND OBJECTIVES**

- (1) The purpose of this Implementation Agreement is to serve as the basis for the Implementation Agreement arranged by **THE PARTIES** in accordance with the scope of this Implementation Agreement Regulation.

Initialed by Party I  
Initialed by Party II


- (2) The objective of this Implementation Agreement is to support the activities of **THE PARTIES** in relation to cooperation with regard to the program Model Rekomendasi Hibrida Multi-aspek Menggunakan Integrasi Deep Matrix Factorization dan Aspect-aware Bert dengan Attention-gated Fusion

**Article 2**  
**SCOPE OF ACTIVITIES**

- (1) The Scope of this agreement includes the program Research Collaboration Titled *Model Rekomendasi Hibrida Multi-aspek Menggunakan Integrasi Deep Matrix Factorization dan Aspect-aware Bert dengan Attention-gated Fusion*, wherein Dr. Ir. Triyanna Widiyaningtyas, M.T. has/have been assigned as the Person in Charge (triyannaw.ft@um.ac.id).
- (2) The implementation of cooperation for this agreement is carried out by Prof. Dr. Deshinta Arrova Dewi and Dr. Ir. Triyanna Widiyaningtyas, M.T.
- (3) **THE PARTIES** shall monitor the implementation of the program Research Collaboration Titled *Model Rekomendasi Hibrida Multi-aspek Menggunakan Integrasi Deep Matrix Factorization dan Aspect-aware Bert dengan Attention-gated Fusion* not less than 1 (one) time in one period of activity.
- (4) **THE PARTIES** are to carry out Research Collaboration Titled *Model Rekomendasi Hibrida Multi-aspek Menggunakan Integrasi Deep Matrix Factorization dan Aspect-aware Bert dengan Attention-gated Fusion* as stated in the attachment.

**Article 3**  
**FUNDING**

The fee incurred from the activities born in this Implementation of Agreement is borne by the respective **PARTY** according to the applicable regulations and shall be specified in a separate specific written agreement.

**Article 4**  
**DURATION**

This Implementation Agreement of cooperation is valid from Friday, May 08, 2026 until Thursday, December 31, 2026

**Article 5**  
**CLOSING**

- (1) Any amendment to this Implementation Agreement shall only be made with the mutual approval of **THE PARTIES**.
- (2) This Implementation Agreement is deemed to be terminated if one **PARTY** or **THE PARTIES** fail to fulfill the provisions in this Implementation Agreement.
- (3) Particulars that are not / yet to be determined in this Implementation Agreement shall be addressed further by **THE PARTIES** on the basis of mutual discussion and agreement which shall be set forth in an Addendum, which is an integral part of this Implementation Agreement.
- (4) This document of Implementation Agreement is made and signed by **THE PARTIES** in 2 (two) copies, all of which shall constitute the equal legal force.

Initialed by Party I  
Initialed by Party II


**Article 6  
Force Majeure**

- (1) In the event of force majeure, including natural disasters, fires, security disturbances and other matters that result in the **PARTIES** being unable to carry out the obligations as referred to in ARTICLE 3, the losses suffered by the **PARTIES** shall be borne by the **PARTIES** and the **PARTIES** shall be released from claims for the implementation of this Memorandum of Understanding including claims for losses arising from this force majeure.
- (2) The circumstances as referred to in paragraph (1) must have a direct causal relationship with the losses suffered by the **PARTIES** and be proven by a Certificate from an Authorized Official no later than 30 (thirty) working days from the occurrence of the event as referred to in paragraph (1).

**PARTY I**



Dr. Ir. Triyanna Widiyaningtyas , M.T.  
Head of Electrical and Informatics  
Engineering Doctoral Study Program  
Universitas Negeri Malang

**PARTY II**



Prof. Dr. Deshinta Arrova Dewi  
Director IRCC  
INTI International University

**IN WITNESS WHEREOF**



Prof. Dr. Andoko, S.T., M.T.  
Dean  
Faculty of Engineering  
Universitas Negeri Malang

Initialed by Party I  
Initialed by Party II




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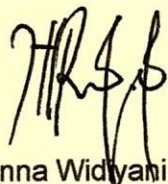
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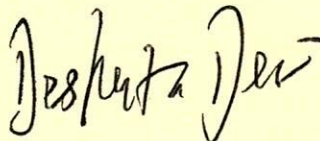
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