## **Three Objectives for the Research**

### **Objective 1: Develop a Lightweight, High-Performance Forgery Detection Model**

* Create a model capable of accurately detecting both splicing and copy-move forgeries in real-world images.
* Optimize the model for efficient performance on devices with limited computational resources.
* Achieve high detection accuracy while maintaining a small model size and low inference time.

### **Objective 2: Enhance Forgery Detection Through Feature Fusion**

* Combine low-level and high-level image features to improve the robustness of the forgery detection system.
* Explore the effectiveness of different feature combinations in detecting various forgery types.
* Develop techniques to effectively fuse these features for optimal performance.

### **Objective 3: Expand Detection Capabilities and Real-Time Applications**

* Extend the forgery detection system to encompass a wider range of forgery types beyond splicing and copy-move.
* Develop real-time forgery detection systems for practical applications.
* Investigate the use of deep learning architectures specifically tailored for efficient and accurate forgery detection.