

Abstract Proforma IOMP

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| **Year & Branch:** 4RD YEAR & CSE | | **Section: A** | | **Batch No:** 22 |
| **Academic Year:** 2021 - 2025 | | | **Regulation:** R20 | |
| **Student Registration Details** | Name | | Roll Number | |
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| **Name of the**  **Guide** | K TRIVENI | | | |
| **Area (Domain) of**  **the Project** | AI and Image Recognition | | | |
| **Title of the Project** | MobileNetV2 integration for high-performance image classification web app | | | |
| **Tools Required** | Vs code editor, Web browser, virtual environment, Flask, Python , than install TensorFlow ,NumPy, and Pillow using pip , Html and CSS | | | |
| **ABSTRACT**  This project is a web application that allows users to upload images and receive predictions about what is in those images using a machine learning model called MobileNetV2. Built with the Flask framework, the application provides a simple and user-friendly interface for image classification. When a user uploads an image, the application processes the image and uses the MobileNetV2 model, which has been trained on a large dataset called ImageNet, to identify objects within the image. The model predicts the most likely category for the image and provides a confidence score, indicating how certain it is about the prediction.  The application also handles file uploads and ensures that images are correctly processed before being analyzed. The results are displayed back to the user, showing the predicted label and confidence level. This project demonstrates the integration of deep learning and web development, showcasing how advanced machine learning techniques can be made accessible to users through a web interface.  It serves as an example of how technology can be used to enhance image recognition tasks in everyday applications. | | | | |

Guide Project Coordinator HOD