



**NOVANECTAR
SERVICES PVT. LTD.**

Artificial intelligence

Project Title: Image Classification

Task Description

Develop an image classification system using AI. Collect and preprocess labeled image datasets. Train a deep learning model, such as a convolutional neural network (CNN), on the dataset. Utilize techniques like transfer learning for improved performance. Fine-tune model parameters and hyperparameters for optimal accuracy. Evaluate the model using metrics like precision, recall, and F1-score. Implement techniques to handle overfitting and improve generalization. Test the model on unseen data to assess real-world performance. Provide documentation detailing the model architecture, training process, and usage instructions.