1. **Introduction**  
   1.1 Purpose of this document

* This installation guide provides step-by-step instructions for installing the 3dAvt Software on Windows 10 operating systems. It covers the basic setup and configuration required to get the software up and running. This document is intended for end-users and IT administrators. This guide does not cover advanced configurations, network setups, or installations on other operating systems.

1.2 Identification

* 1.3 Reference information
* 1.4 Points of Contact

Customer Service:

* Company: VNU University of Engineering and Technology (VNU-UET)
* Email: [duonghoangkhanh1108@gmail.com](mailto:duonghoangkhanh1108@gmail.com) / [shinichi3109@gmail.com](mailto:shinichi3109@gmail.com)
* Phone: 0123456789 (sample) / 0392236213 (Khánh)

1. **Installation Plan**
2. Scope

- This document covers the installation procedures for 3dAvt on Windows 10-64bit operating systems. It includes pre-installation checks, installation steps. This guide does not cover advanced configurations or integration with other systems.

1. Environment

- Windows 10-64bit

- GPU requirement:

At least 2GB vram for 256x256 pixels image

At least 4GB vram for 512x512 pixels image

At least 16GB vram for 1024x1012 pixels image

CUDA supported

* Python version > 3.8.0 & < 3.11.0

Module required:

* Torch
* Torchvision
* Pillow # PIL
* scikit-image #skimage
* tqdm
* opencv-python # cv2
* trimesh
* PyOpenGL
* Ffmpeg
* Three

**3. System Installation**3.1 Overview of [system] installation

1. Clone the repository

2. Move to the application folder

3. Install the requirement with `pip install -r requirements.txt`

4. Run the application with `python app.py`

5. Go to `127.0.0.1:5000`

3.2 Known problems

- Incorrect sRGB profile.

**4. Troubleshooting**