SUPERVISOR'S REVIEW

on

Bachelor Student at NPUA IICTE, TT019a Academic Group

Andy Pierre Younes's Diploma Thesis

"Development of a Machine Learning Algorithm for Restoring Damaged Images"

Andy Younes's diploma thesis consists of introduction and problem statement sections, 3 main chapters, as well as separate chapters on economic, ecological, and life safety sections. The thesis is summarized with a conclusion followed by a reference list.

The first chapter presents a literature review of the existing image restoration techniques and machine learning algorithms. The chapter ends with the problem statement.

The second chapter presents the traditional algorithm integration, the hybrid approach, as well as training hybrid approach for image restoration.

The third chapter presents the steps of the implementation for the automated system developed within the framework of the diploma thesis. The chapter also covers the programming environment, the technology stack, the functionality, as well as dashboard and visualization of image restoration results.

The thesis is complete, aligns with the requirements, and can be used for some class of damaged image restoration purposes. While preparing the thesis Andy established herself as a conscientious student, fulfilling the assigned tasks properly.

If properly defended, the thesis deserves an excellent grade, and Andy Younes is recommended to be awarded "Bachelor of Informatics" qualification in "Software Engineering".

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