

**EXPLORING THE EFFECTIVENESS OF DEEP LEARNING BASED
OBJECT DETECTION IN AUGMENTED REALITY
FOR REMOTE LEARNING**

Thesis submitted in partial fulfillment of the degree of

**DOCTOR OF PHILOSOPHY
IN
COMPUTER SCIENCE AND ENGINEERING**

By

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SEPTEMBER 2025

80_RECOMMENDATION

Future studies will build on the development of the didactic learning system for Virtual Reality, which will give more immersive type of learning. The didactic system will more concentrate on contents of Chemistry, Physics, Mathematics and Engineering Graphics. It will also build functionality of the envisioned AR system in the two following ways. Firstly, optimize the feature resistance by extending point features by the line, planar, and semantic features to work effectively under various conditions. Secondly, semantic segmentation results in advanced semantic mapping technology for navigation demand and enriches the spatial representation for augmented reality applications. These relative intents are towards the enlargement of usability and enhancement of operative AR features for different domains, thus creating extended ways of envisioned operations of users.