

**RECOMMENDER SYSTEM OF CONDUCTIVE INK OF PRINTED  
ELECTRONICS APPLICATIONS USING DEEP  
NEURAL NETWORKS**

*Thesis submitted in partial fulfillment of the degree of*

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

*By*

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## **80\_ RECOMMENDATION**

The research work focused on developing automated systems for selecting suitable conductive ink for printing applications. The research work also tried to enhance the accuracy of the model. The research contributions that are described above can be extended as follows:

- ❖ Investigate the efficacy of other ANN architectures in conductive ink selection for PE.
- ❖ Expand the range of material characteristics considered in the selection process to further enhance the accuracy and versatility of the models.
- ❖ Incorporate larger and more diverse dataset to analyse the performance and generalization capabilities of the developed models
- ❖ Explore the integration of other source information to improve accuracy and reliability of the models.