# Master of Technology
# (In Communication Engineering)

## Thesis Defense Presentation

# Title of the Thesis

**Student's Name**
Registration No: XXXX of XX

**Name of Supervisor (s) :**

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June 2023

# Acknowledgements


## Supervisor(s) :

- Dr. XXXXXXXXX, Assistant/Associate Professor, Dept. of Electronics and Communication Engineering, Aliah University, Kolkata

You can acknowledge others also. Contact your supervisor for further help

## Present Institute:

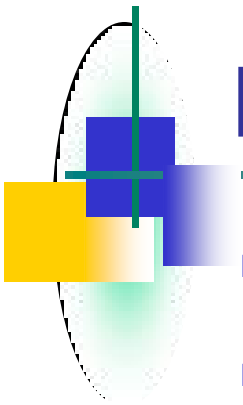
- HoD and other faculties, Dept. of Electronics and Communication Engineering
- Dept. of Electronics and Communication Engineering, Aliah University, Kolkata

# Presentation Outline

- Introduction
- Motivation
- Objective
- Literature Review
- Body of the presentation includes system dynamics, methodology, graphs, block diagrams, etc. arranged in a logical sequence depending on the problem.
- Results and discussions
- Conclusion and Future Work
- Publication (if any)
- References

# Introduction

- With the large amount of data, we deal with today, object extraction from images becomes a challenging task.
- The economic development and the growth of a nation.



# Motivation

- Machine learning techniques ……
- At present, the……
- ……
  .

# Objective

- Given the above background, the envisioned objective of this thesis is …….
- This thesis addresses the problem of …….
- The ……

Write your thesis objective here, and contact your supervisor if any further help

# Research Contribution

- We decomposed the problem of……
  ……
- A system is designed……

Write your contribution here, contact your supervisor if you need any help

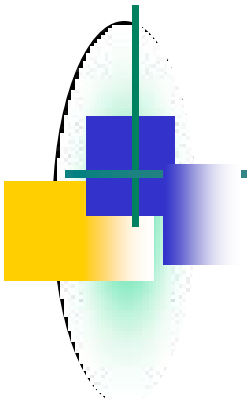
# LITERATURE SURVEY

- We review existing approaches……..
- Most of the techniques found in the literature can be ……..
- ……

# LITERATURE SURVEY

You may use a tabular form as given below:

| S. No. | Authors | Conclusion |
|---|---|---|
| **1** | Zhongbin Li *et al.* (2015) [4] | Object extraction ..... ..... |
| 2 | A. Manno-Kovacs and A. Ok, (*2015)* [11] | Authors introduced a framework for..... |
| 3 | J. Lin, W. Jing, H. Song, and G. Chen [2] | ESFNet: Efficient network for building extraction from high-resolution aerial images..... |
| 4 | K. Bittner, F. Adam, et al. (2018) [12] | |
| 5 | S. Wang, X. Hou, and X. Zhao (2020) [13] | |



# Proposed System/Algorithm/Network

# Proposed Approach

- The data flow diagram of the proposed method is shown in Fig.1, which depicts different stages clearly. The stages are (a) Pre-processing (b) feature Extraction (c) classification (d) Refinement of Building structures.

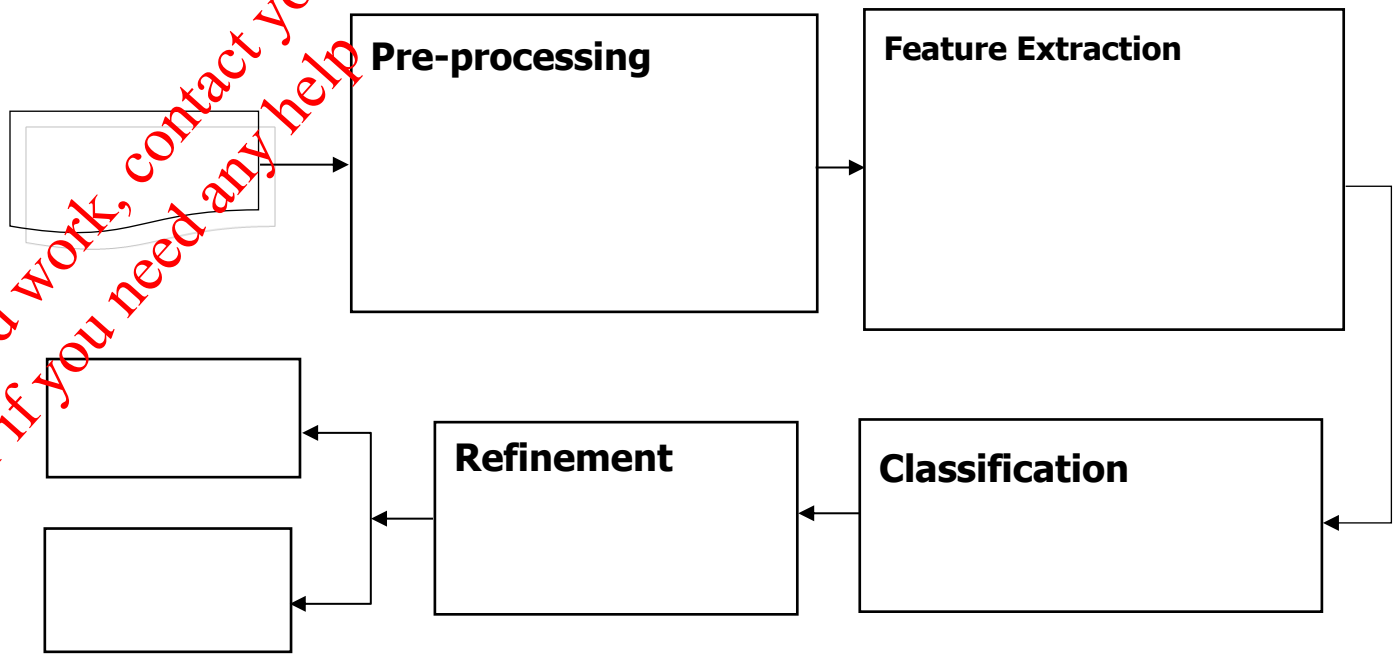





Fig.1. The data flow diagram of pattern classifier based on ……

# Experimental Results and Discussion

- In order to measure the effectiveness of the proposed method, we conduct numerous experiments…….
- All experiments are evaluated based on…….

# Comparison with state-of the-art methods (if applicable)

- To assess the relative significance of our approach, a comparison ----------.

| | **Proposed** | Method1 | Method2 | method3 | method4 |
|---|---|---|---|---|---|
| Recall | …… | ….. | ..... | ….. | …. |
| Precision | …… | ….. | …… | …. | ….. |
| Quality | ……. | …… | ….. | …. | ……. |
| F1-Score | ….. | …… | …….. | …… | ……- |

# Summary

- In this work,……
- DBN model has superior performance.
- ……

# Future Scope

- sources.
- As a result, …….
- An algorithmic approach……..

# Details of Research Papers published/Accepted

| Name of Authors | Title | Name of Journal/Conference | Name of Publisher | Year of publication | Volume No./Page No. | ISSN No. | DOI No. |
|---|---|---|---|---|---|---|---|
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Your published works if any

# References


1. Xiaofei Yang, Xutao Li, Yunming Ye and Raymond Y. K. Lau, "Road Detection and Centerline Extraction Via Deep Recurrent Convolutional Neural Network U-Net," IEEE Transactions on Geoscience and Remote Sensing, DOI: 10.1109/TGRS.2019.2912301PP(99):1-12, 2019
2. Er Li, Shibiao Xu, Weiliang Meng, and Xiaopeng Zhang, "Building Extraction from Remotely Sensed Images by Integrating Saliency Cue," IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, VOL. 10, NO. 3, pp. 906-919, March 2017.


References must be presented in IEEE format, which is given above.


Thank
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