

# Image Processing for Analysis of Hand Drawn Multi-Loop Circuit Diagrams

Sara Jameel  
Habib University  
Karachi, Pakistan  
sj03693@st.habib.edu.pk

Muhammad Shahrom Ali  
Habib University  
Karachi, Pakistan  
ma03559@st.habib.edu.pk

**Abstract**—Abstract Here

**Index Terms**—Circuit Analysis, Image Processing, Hand drawn circuits

## I. INTRODUCTION

## II. LITERATURE REVIEW

## III. METHODOLOGY

## IV. RESULTS

## V. CONCLUSION

## REFERENCES

- [1] Larik, M., Ur Rehman, S., and Azeem, S., n.d. *A Tool For Digitizing And Analyzing Hand Drawn Circuit Sketches*.
- [2] Mahdi Rabbani, Reza Khoshkangini, H.S. Nagendraswamy, Mauro Conti, *Hand Drawn Optical Circuit Recognition*, Procedia Computer Science, Volume 84, 2016, Pages 41-48, ISSN 1877-0509, [Access Here](#)
- [3] S. K. Vasudevan, K. Venkatachalam, S. Anandaram and A. J. Memon, *A Novel Method for Circuit Recognition Through Image Processing Techniques*, Asian Journal of Information Technology, vol. 15, no. 7, pp. 1146-1150, 2016. [Access Here](#)
- [4] L. Naika R, D. R and P. S, *Handwritten Electric Circuit Diagram Recognition: An Approach Based on Finite State Machine*, International Journal of Machine Learning and Computing, vol. 9, no. 3, pp. 374-380, 2020.