

# Spectrum Detection and Utilization

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Focusing on narrowband signals develop an algorithm to scan and detect spectrum utilization.

Write a paper discussing your approach and results.

Your paper should include

- Abstract
- Introduction
- Narrowband detection algorithm
- Scanning approach
- System parameters and limitations (scanning bandwidth and rate, and accuracy of detection)
- Figures showing your design and results.
- Conclusion
- References

You need to use the [IEEE format for your paper](#). If you like to try Latex there are several environments you can install on your local machine or you can also use other free online environments such as [Sharelatex](#).