

# ENEL420 - Genetic Algorithms in Digital Signal Processing

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## **Abstract**

I would like to say some bullshit here that summaries my report in an interesting way.

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# **1 Introduction**

Introduction[1].Plz write something here.

## **2 Background**

### **2.1 Digital Signal Processing of ECG Signals**

Background if needed[2].

### **2.2 Genetic Algorithms**

Plz write something here.

## **3 Method**

Describe the method followed for this assignment.

### **3.1 Creating a Population from DSP Singal Data**

Plz write something here.

### **3.2 Fitness Function**

Plz write something here.

### **3.3 Selecting Paranets for next GA Generations**

Plz write something here.

### **3.4 GA Operators**

Plz write something here.

#### **3.4.1 Crossover**

Plz write something here.

#### **3.4.2 Mutation**

Plz write something here.

#### **3.4.3 Parents**

Plz write something here.

## 3.5 Filtering of ECG Signal Using FIR Filters

### 3.5.1 Window Filter

Plz write something here.

### 3.5.2 Parks-McClellan Filter

Plz write something here.

ex1

ex2

ex3

1 format1

2 foramat2

## 4 Results

Describe the results you've got. Don't give your opinion in here that goes in the Discussion. Unless combine the Results and Discussion sections

$$V = IR \quad (1)$$

.

S-1 item1.

S-2 item2.

S-3 item3.

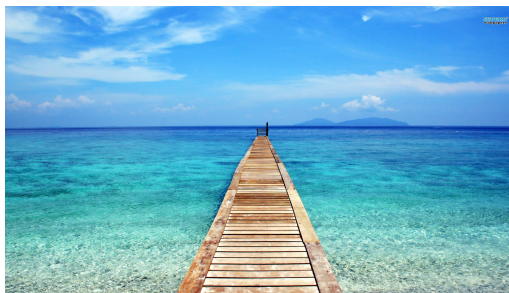


Figure 1: Shows that you can relax at this beautiful beach

## 5 Discussion

Discussion.

## 6 Conclusion

Reinstate the stuff you've talked about in the report. Don't introduce new materials in here.

## 7 References

- [1] E. Ifeachor and P. Smithson, “A practical approach to digital signal processing.” IET, 1995, pp. 6/1–6/8.
- [2] I. H. Software, “Difference Between FIR Filters and IIR Filters,” 2013. [Online]. Available: <http://iowahills.com/A8FirIirDifferences.html>

## 8 Appendices

### 8.1 Appendix A