Week 2 Tasks

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This Week Tasks

1. Encryption Algorithms

2. Code of each encryption algorithm

3. Numerical Methods Algorithms

4. Improve algorithm by using the numbers you get from radio labeling as passwords

5. Factors that affect the performance of encryption algorithms

We may use last year project numerical methods project

[Week Link on Github Repo](#)

Encryption Algorithms

1. AES

2. DES

3. RSA

4. Diffie–Hellman

5. SHA 1, 256, 3 algorithms

We may also add:

1. Blowfish

2. Twofish

3. Triple DES

Numerical Methods

Methods We already know:

1. Solving equations by factoring

2. general formula for solving quadratic equations

3. Graphical Solution

4. Jacobi

5. Gauss–Seidel

6. Newton

7. Bisection

Methods we don't know:

From Dr PDF:

1. Trisection Algorithm

2. Fixed point Algorithm

3. Secant method

4. False-Position Algorithm

5. Hybrid Algorithm 1 and 2

Outside:

1. Bairstow's Method