**Information and Security Assignment**

**AES Encryption & Decryption**

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**Algorithm Throughput**

| **Algorithm** | **Time Taken** | **Input Size** | **Throughput Calculated** |
| --- | --- | --- | --- |
| AES Encryption | 2.9s | 3 KB | 1.034KN/sec ͌ 0.0010102370 MB/sec |
| AES Decryption | 7.5s | 3 KB | 0.4KB/sec ͌ 0.000390625 MB/sec |

**Observations :-**

1. Time taken by AES Encryption > Time taken by AES Decryption
2. This is because of some involvement of some complex inverse functions involved in the decryption algorithm .