# RSA and El-Gamal Cryptosystems

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**Abstract**—In this paper we discuss the RSA and El-Gamal cryptosystem. Alongside we introduce our way of implementing them in Python and C.

Keywords—RSA, EL-Gamal, Implementation, Public Key, Cryptosystem

# 1 Introduction

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mds January 11, 2007

# 1.1 Subsection Heading Here

Subsection text here.

## 2 Public Key Cryptosystem

**PKCS** 

#### 2.1 More Details

Some problems with this template...I mean, the subsubsection part.

#### 3 RSA

**RSA** 

#### 4 EL-GAMAL

El-Gamal

#### 5 IMPLEMENTATION

Implementation process will be discussed here.

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#### 6 Conclusion

Conclusion and Contributions.

## **APPENDIX A**

# PROOF OF THE FIRST ZONKLAR EQUA-

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Appendix one text goes here.

## APPENDIX B

# SOME RELATED MATH STUFF WILL BE DISPLAYED HERE

Appendix two text goes here.

#### **ACKNOWLEDGMENTS**

The authors would like to thank...

## REFERENCES

PLACE PHOTO

[1] H. Kopka and P. W. Daly, *A Guide to LTEX*, 3rd ed. Harlow, England: Addison-Wesley, 1999.

Michael Shell Biography text here.

John Doe Biography text here.

Jane Doe Biography text here.