**ADSP Project**

E-mail Spam Filter

“SPAM is taking e-mail, which is a wonderful tool, and exploiting the idea that it's very inexpensive to send mail.”

~Bill Gates

Syeda Sualeha

# Image result for LOGO OF COMPUTER SYSTEM ENGINEERING

ADSP PROJECT REPORT ON

**“E-mail Spam Filter”**

MADE BY:

**F16CS32**

**F16CS80**

**F16CS84**

**F16CS162**

**F16CS174**

Concerned Teacher: **Ma’am Aisha Junejo**

**ACKNOWLEDGEMENT**

All praises & thanks to “Almighty Allah”, who has shown us the right path through every thick and thins.

Firstly, we would like to acknowledge the mighty presence of Allah, who enabled us to complete this Report. I would also like to express my deep gratitude to “SIR ASIF WAGAN”, who guided us & taught us impeccable ways to complete our desired goal. The assistance provided by other teachers helped us a lot. Also, the prayers of our parents could not be ignored as they have played a vital role in our success. The teamwork was executive and it also does help us in increasing the area of our thinking.

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F16CS32, 80,84,162,174

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# **ABSTRACT**

**“SPAM is taking e-mail, which is a wonderful tool, and exploiting the idea that it's very inexpensive to send mail.”**

Quoted by **Bill Gates**, encouraged us to think on such a topic which can make our lives easier by overcoming the most common problem faced by the whole world. Spammers harvest recipient addresses from publicly accessible sources, use programs to collect addresses on the web, and simply use dictionaries to make automated guesses at common usernames at a given domain. Spamming is politically debated in several countries, and has been legislated some places with varying results. Spammers often conceal or forge the origin of their messages to circumvent laws, service provider regulations, and anti-spammer lists used by anti-spam software. At the present more than 95% of email messages sent worldwide is believed to be spam, making spam fighting tools increasingly important to all users of email. We will overcome to face these spam mails by implementing a classification algorithm of supervised learning. Our program will be able to label the emails as spam or ham (not spam).

# **INTRODUCTION:**

Email service system is one of a greatest invention over worldwide web.

Email spam (junk email) is unsolicited messages sent in bulk by email. The name comes from Spam luncheon meat by way of a Monty Python sketch in which Spam is ubiquitous, unavoidable and repetitive. Email spam is also known as unsolicited commercial email (UCE), is activity of sending unwanted email with commercial content to numerous recipients.

Spam email is a form of commercial advertising which is economically viable because email is a very cost-effective medium for the sender. If just a fraction of the recipients of a spam message purchase the advertised product, the spammers are making money and the spam problem is perpetuated.

# **BODY OF REPORT**