**NEW HORIZON COLLEGE OF ENGINEERING**

**DEPARTMENT OF MCA**

III Semester Mini project using Java and DBMS Concept– MCA36

SYNOPSIS

**Title:** Digital Steganography

**Abstract:** Maintaining secrecy is very important in a large corporation and because of the intelligent of the hackers it becomes tedious. Already we have cryptography for transmitting secret information. Even though cryptography successfully transmitting secret information, it will give a suspicion to the hackers and it affects unintended users.

Our project, **Digital Steganography** overcomes this factor and it gives a solution for transmitting secret formation without affecting unintended users. Steganography uses multimedia data as a covering medium (Covering secret information). By using steganography data (secret information) can hide within data (multimedia data, here multimedia data is an Image or Video) and it can be sent anywhere to transfer the message easily without giving any suspicion to others.

**Technology:**

**Language:** Java Programming

**Front end:** Java (jdk1.4.1 and above)

**Algorithm:** Least Significant bit (LSB) and Triple data encryption standard (3des)

**MODULE DESCRIPTION:**

In this project, there are two modules, namely

1. “Making Steganography Medium”
2. “Getting secret information from Steganography medium”

**Making Steganography Medium:**

Step 1: Start the process

Step 2: Enter the Secret Information

Step 3: Enter the User Code

Step 4: Load a multimedia data, here it is an Image or Video

Step 5: Creation of Secret Code by using user code and secret information

Step 6: Hiding secret information with its security into the multimedia data

Step 7: A message box showing the secret key will appear

Step 8: Stop the process

**Extracting secret information from Steganography medium:**

Step 1: Start the process

Step 2: Enter the Secret Code

Step 3: Enter the Steganography Medium

Step 4: Extract secret information from Steganography medium by using the secret code.

Step 5: Stop the Process

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**Project Guide HOD**