Embedding Steps:

1. Take the Text file of messages of different sizes as an input.
2. while (all the messages have been used from the Text file) do
   1. Take the image as a input for hiding the message, split it into 3 separate planes.
      1. Blue Plane is used as indicator.
      2. Red Plane is used for deciding the no. of bits to be embedded in one block.
      3. Green Plane is used for hiding the secret information.
   2. All these planes are splited to 2\*2 blocks.
   3. Start with the Red plane:
      1. Let us consider a 2\*2 block of Red plane as A, and block element as P,Q,R and S.
      2. A =
      3. Log function is applied on each element of 2\*2 block of red plane. A is 2\*2 block of red plane.
      4. Ri=log2(A)
      5. Find the IQR value of Ri
         1. Sort the values of Ri.
         2. Let Ri=R1,R2,R3,R4. (after sorting in increasing order.)
         3. IQR=(R2+R3)/2.
      6. After finding the IQR value , Now find the value of K ( K is used to decide the number of bits to be embedded in one block of green plane.)
         1. If 0<IQR<2

K=1

If 2<IQR<4

K=2

If 4<IQR<7

K=3.

* + - 1. But if IQR>7

than no message will embed into green plane and set indicator at blue plane P=0,Q=0.

* 1. Now set the indicator at blue plane P=1, Q=1.
     1. If K=1 change the last bit of P of red plane =0 and Q=1.
     2. If K=2 change the last bit of P of red plane =1 and Q=0.
     3. If K=3 change the last bit of P of red plane =1 and Q=1.
     4. Now Embed the message into green plane .
        1. Last K bits of P and Q of green plane are used to embed the message.
  2. If whole message is embedded than set indicator value into blue plane P=0,Q=1.