***Aim: To develop the Simple-DES using Python.***

***Short-Procedure:***

***Step1:*** The overall structure of the simplified DES is given below.

***Step2:*** The S-DES encryption algorithm takes an 8- bit block of plaintext (example: 10111101) and a 10-bit key as input and produces an 8-bit block of cipher-text as output.

***Step3:*** The S-DES decryption algorithm takes an 8-bit block of cipher-text and the same 10-bit key used to produce that cipher-text as input and produces the original 8bit block of plaintext

