Faculty Of Engineering & Technology

Subject Name: information and network security

Subject Code: 203105311

B.Tech. IT 4rd Year 7th semester

PRACTICAL 10

AIM: Implement digital signature.

Code:

```
def simple hash(message):
  hash value = 0
  for char in message:
    hash value += ord(char)
  return hash value
if name == " main ":
  message = input("Enter the message: ").strip()
  signature = simple hash(message)
  print("Message:", message)
  print("Signature:", signature)
  received message = input("Enter the received message: ").strip()
  received signature = int(input("Enter the received signature: "))
  if signature == received signature and message == received message:
    print("Signature and message verified successfully.")
  else:
    print("Signature or message verification failed.")
```

output:

```
PS C:\Users\shivam\OneDrive\Desktop\BlockChain-Based-Documents-
ers\shivam\OneDrive\Desktop\BlockChain-Based-Documents-Verficat
Enter the message: shivam
Message: shivam
Signature: 648
Enter the received message: shivam
Enter the received signature: 648
Signature and message verified successfully.
```

200303108116 Page No: _____