

Assignment Pattern for Information and Web Security- ICT 4102

Dear Students,

Kindly find the guidelines for IWS assignments as per as changed assignment pattern below:

☐ First Assignment –6 Marks

- Before the first test

☐ Second Assignment -6 Marks

- In between the first and second test

☐ Third assignment – 8 Marks

- After the second test

Assignment 1 will have 6 questions (from Symmetric Ciphers : Substitution and Transposition (Additive , Multiplicative, Affine , Play fair , Hill , Keyed Transposition and Keyless Transposition).Values will be given on spot.(Problems on encryption and (or) decryption . NO THEORY WILL BE ASKED.)

Assignment 2 is an open book test. We expect you to go through research papers/ online / book contents on the following topics :

- Asymmetric / Symmetric Encryption Decryption like AES / RSA
- Message Authentication Algorithms like Hashing / Digital Signatures
- Message Integrity/ Privacy Protection
- Intrusion Detection / Making strong Password / Key management using techniques like Kerberos

Questions will be given on spot. You can refer to any hard copy material like research papers / books.

Electronic gadgets like mobile phones, tablets etc. are not allowed. No browsing via Internet or sharing solutions among yourselves. Any form of malpractice observed will be directly marked ZERO.

Assignment 3 is a team work project. Strength of the team can range from 2 to 5.

This can be design / Simulation / Survey / Case study / Application Development/ Literature review/ Comparison (Collaboration) of techniques etc., depending on your choice.

The above mentioned topics can be used for assignment 3 as well. (Or you can come up with your own ideas but strictly related to security.)

Project topics must be unique to each group and must not match with other students (from section A and B).

The deadlines for submission for Assignment 3 are listed below:

19th August 2017/ Saturday: Abstract (With group details)

16th September 2017/ Saturday: Progress evaluation with detailed methodology

20th and 21st November / Friday Saturday: Final Paper Submission with results.

Because the deadline is given way in advance it is not negotiable to any kind of last minute change.

Missing Deadlines is penalized.