



MONAD University
N.H. 24, Delhi Hapur Road,
Village & Post Kastla, Kasmabad, P.O Pilkhuwa - 245304,
Dist. Hapur (U.P.), India

Assignment No: 1

Programme (Branch)/Sem:.....

Course Name:-.....

Submitted by :-

Candidate's Name:.....

Enrollment No.:-

Roll No. :-

Date of Submission:-

Submitted to:-

.....



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& UIS 2 (f) of U.G.C. Act 1956

Programme: B.Tech (CS-VIIth Sem.)
Course Name: Digital Image Processing
Course Code: ECS-471
Assignment No: 1
Due date of submission: 11.09.2017

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

- a) As you are aware of Digital Image Processing. You can explain DIP and its fundamental steps in detail. Also discuss application areas of DIP.
- b) As you are aware of various fundamental terms of DIP. So you can Differentiate the following:
 - i. Sampling & Quantization
 - ii. Smoothing & Sharpening

Do it.

Q.2

- a) As you are aware of Image enhancement. So, you can explain the procedure of image enhancement in Spatial domain as well as in Frequency domain. Do it.
- b) As you are aware of filters used in Spatial domain and Frequency domain. So you can discuss any three filters of Spatial domain as well as Frequency domain. Go ahead.



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Programme: B.Tech (CS-VIIth Sem.)

Course Name: Data Compression

Course Code: ECS-472

Assignment No: 1

Due date of submission: 11.09.2017

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
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Q.1

- a) As you are aware of compression techniques. So, explain lossless compression and lossy compression in detail.
- b) Explain the following models:
 - i) Physical model
 - ii) Probability model

Q.2

- a) As you are aware of Huffman coding. So, you can explain Adaptive Huffman coding algorithm. Do it.
- b) Discuss the following applications of Huffman coding:
 - i) Lossless image compression
 - ii) Text compression
 - iii) Audio compression



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Programme: B.Tech (CS-VIIth Sem.)
Course Name: Software Project Management System
Course Code: ECS-473-1
Assignment No: 1
Due date of submission: 11.09.2017

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

a) As you are aware of SDLC very well, now you will learn about other models more if you explain Waterfall model and Spiral Model with a neat and clean diagram. Also, discuss all the related documents developed at each of the phases of the development process.

b) What is SRS? What is the requirement of SRS report in SDLC? Explain SRS report in detail. Also, Write IEEE standard SRS report in detail.

Q.2

a) As you have learned about prototype in the class, what do you understand by the term Prototype? You will learn more if you explain the relevance of Prototype Model in System/Software development.

b) What is testing? Explain Alpha, Beta & Acceptance testing with an example of each.



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Programme: B.Tech (CS-VIIth Sem.)

Course Name: Distributed System

Course Code: ECS-474-3

Assignment No: 1

Due date of submission: 11.09.2017

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

- a) As you are aware of Distributed Systems. So, explain the architectural models and fundamental models in detail. Also discuss the limitations of Distributed System.
- b) As you are aware of Logical clocks. So, you can explain Lamport's and Vector's logical clock with example. Do it.

Q.2

- a) You are aware of termination detection. So, explain Huang's termination detection algorithm in detail.
- b) You know about mutual exclusion. So, you can explain Ricart-Agarwala non-token based mutual exclusion algorithm with example. Do it.



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Programme: B.Tech (CS-VIIth Sem.)

Course Name: Mobile Computing

Course Code: ECS-475-1

Assignment No: 1

Due date of submission: 11.09.2017

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

- a) As you know Mobile. Can you explain the term “Mobile Computing” with its advantages?
- b) Discuss all the limitations of Mobile computing.

Q. 2

- a) What do you mean by “Mobile Devices”? Explain with examples.
- b) What is Bluetooth technology? Explain in detail.