**Minor Project – II (CSE Only)**

**10B19CI691**

**Even Semester 2016**

**Systems and Network Programming**

**Dated: 19th Jan 2015**

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1. **Instructions to be followed:**

1. Group Size is **restricted to** 3 to 4 members.

2. **No inter-batch groups** are allowed.

3. **Simulator based projects** are **not allowed.**

4. Deadlines must be followed otherwise their marks will be assigned zero.

5. **Project topic** for each group should be **unique**. It should not match with any other inter/intra batch project. If matched, one of the project topics must be modified.

6. Students are required to take **regular back** up of their project work. Virus, hard disk failure problem will not be considered later.

7. **No Rescheduling** of Evaluation Timings would be entertained.

8. Lanugage- PYTHON ONLY

1. **Project Format, Evaluation Scheme and Deadlines:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Phase** | **Deliverables Expected** | **Deadline** | **Evaluation Scheme** |
| Approved  Synopsis | • Abstract (Hardcopy)  • Project Title  • Group Members | **1st feb-6th feb** | **20 Marks** |
| Midsem  Viva | • Working code  • Project report | **30th March-5th April** | Viva -10  Report -5  Demo- 20  **Total marks 35** |
| Final Viva | • Project report  • Testing report  • Complete working  code | **2nd May – 7th May** | Viva 10  Report 10  Demo 25  **Total marks 45** |

**C) Report Format and Project Guidelines:**

**Synopsis Format**

• Project title

• Group members: name, enrollment number, batch (strictly within batch 3 – 4 members).

• One page abstract (hardcopy)

**Synopsis submission details**

The students must submit the minor project:

**(1) Synopsis and Project title in hard copy to** their allotted supervisors.

**(1st Feb -6th Feb)**

**Failed to submit, zero marks would be awarded for the synopsis.**

**Midsem Evaluation Phase**

**Report Format**

• Partial Implementation

• Report Format

1. Title of Project

2. Abstract

3. Objectives

4. Clear division of project work among group members

5. Background Study and Findings

6. Designing

7. Partial Implémentation (code, snapshot etc.,)

8. Testing (of Partially implemented Code)

9. References

**Final Evaluation Phase Report Format**

**and**

**Submission Guidelines**

Following things are to be submitted in final submission of minor project viva.

• **Demo of project and implementation code on CD**

• **Neatly typed A4 size hard copy of project report which includes**

1) Abstract

**2) Clear division of project work among group members**

3) Introduction

4) Background study

5) Requirement Analysis

a. Software

b. Hardware

c. Functional requirements

d. Non functional requirements

e. User requirements

f. UML diagram

6) Detailed design

7) Implementation

8) Testing reports

9) Future Scope

10) Gantt Chart

11) References in IEEE format

**Some Project IDEAS**

**[Systems and Network Programming]**

1. Network or pseudo-device device drivers.

2. Security issues targeting cloud computing and grid computing.

3. Any new module for kernel enhancement

4. Designing and development of testing and debugging toolkit for device

drivers.

5. Performance analysis of inter process communication methods using user

application.

6. Mobile applications in Python.

7. Power dissipation in mobiles.

8. Security issues in Virtualized data center.

9. Multiplayer Game.