OPEN ENDED LAB

CS-432 Distributed Computing

BE CS BATCH 2020

SPRING SEMESTER 2024

PROBLEM DEFINITION:

Select any suitable distributed computing platform and perform following tasks.

1. Deploy the platform on Linux machine as multi node or single node cluster (multi node is preferrable).
2. Execute a sample application on the setup platform and note its output metrics.
3. Figure out the principles of distributed computed covered on the deployed setup.
4. Prepare a well formatted report mentioning all the steps done in part a and b. Also, write about the distributed computing concepts covered in the task.

The task will be graded for CLO-3: Practice programs with distributed computing systems, C3, PLO-3 using the rubric at the end of this file.

INSTRUCTIONS:

1. Students must come up with ***novel*** projects to score good marks.

2. Students can make groups of at most three students for this task.

3. Students are required to show the running demo of the project and deliver a project report (of not more than 6 pages) discussing all the points mentioned.

4. Report submission must be made before 1st-July-2024 in Google Classroom.

5. The student making the submission will mention his groupmates (names and roll numbers) in private comments.

6. Other students will mention the name and roll number of the submitting group member in private comments.

DEPARTMENT OF COMPUTER & INFORMATION SYSTEMS ENGINEERING

BACHELORS IN COMPUTER SYSTEMS ENGINEERING

Course Code: CS-432

Course Title: Distributed Computing

Open Ended Lab

SE Batch 2020, Spring Semester 2020

Grading Rubric

Group Members:

Student No.	Name	Roll No.
S1		
S2		
S3		

CRITERIA AND SCALES				Marks Obtained		
				S1	S2	S3
Criterion 1: Has the student selected appropriate distributed platform?						
0	1	2	-			
The chosen platform is outdated	The chosen platform is fine but not novel	The chosen platform is promising and novel	-			
Criterion 2: How good is the deployment of platform?						
0	1	2	3			
The project could not be implemented	The project has been implemented partially	The project has been implemented completely but can be improved	The project has been implemented completely and impressively			
Criterion 3: How good is the selected application?						
0	1	2	-			
The chosen application is too simple	The application is fit to be chosen for project	The application is different and impressive	-			
Criterion 4: How well the distributed computed concepts applied in the project?						
0	1	2	-			
The project covers no distributed computing	The project covers moderate distributed computing	The project covers extensive distributed computing	-			
Criterion 5: How well written is the report?						
0	1	2	-			
The submitted report is unfit to be graded	The report is partially acceptable	The report is complete and concise	-			