



Flip Class Activity Report

Version 1.0, Date: 3rd Aug. 2018

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

| ACTIVITY REPORT | |
|------------------------|--|
| Activity Title | Flip Class |
| Course | Unix Shell Programming(17CS35) |
| Brief Description | The activity has been conducted to assess the self learning capabilities to understand, analyse the concepts of UNIX architecture. |
| Intended Students | III Semester ISE |
| Prepared by | Mrs Swathi.Y |
| Date | 3 rd August 2018 |

Pre Assessment Summary

Methodology (TLP) followed: The materials required w.r.t Unix architecture has been shared to the students. Students were asked to answer 20 MCQs on the topic shared .There were total 86 students participated in this Activity. The flip class was conducted to check the knowledge ,analysis and self-learning capability of the students to solve the problem given

1. Shell is a command interpreter used for interacting with a UNIX system. (Blooms level-L2(Understand))
 - a.) True
 - b.) False
2. Which part of the UNIX operating system interacts with the hardware? (Blooms Level –L1(Remember))
 - a) Kernel
 - b) Shell
 - c) vi editor
 - d) application program
3. Two UNIX systems may or may not use the same set of system calls.(Blooms Level-L2(Understand))
 - a) True
 - b) False

Note : Sample questions are as given above. Questions should be of basic and understanding level. The primary aim of this exercise is student should understand the topic and able to answer the questions shared before coming to class. Faculty should set some minimum marks for clearing this pre assessment test. Student has to satisfy the minimum criteria before coming to class.

Key Findings: Students are able to

- Understand the relationship between kernel and shell, get familiar with UNIX architecture and OS.

Impact Analysis- Pre Assessment

Description/Methodology: Evaluation of 20 questions of total 20 Marks

- 86 students attended the activity.

Students have scored an average of 70% for all questions.

Graphs/ Plots:

Classroom Assessment

Methodology (TLP) followed: During the class students were asked to answer 5 Questions on the topic shared .There were total 80 students participated in this Activity .The flip class was conducted to check the knowledge ,analysis and self-learning capability of the students to solve the problem given

1. Apply suitable system calls and UNIX commands for performing file handling tasks (Blooms Level : L3(Apply))
2. Differentiate UNIX OS with other similar OS (Blooms Level : L4(Analyze))

Note : Sample questions are mentioned above. Questions should focus more on higher order blooms levels (L3-L6).

Key Findings: Students are able to

- Apply the concepts of system calls, library functions for real world problems.
- Differentiate between different operating systems.

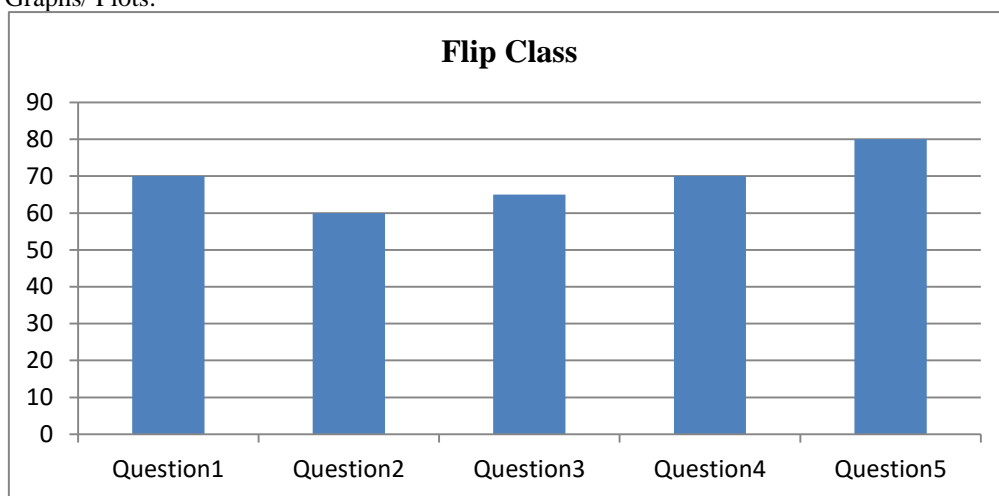
Impact Analysis- Classroom Assessment

Description/Methodology: Evaluation of 5 questions of total 25 Marks

- 86 students attended the activity.

Students have scored an average of 70% for Question 1 and 60% in Question 2 , 65% for Question 3, 70% for Question 4 and 80% for Question 5.

Graphs/ Plots:



Scope of Impact Analysis

Map the activity to the PO's intended to be achieved with

| PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| 2 | 2 | | | | | | | | | | | | 2 |

Conclusion

This activity has good impact on students in attaining PO1, 2 and 12.

8/3/2018 Flip Class on UNIX Architecture - swathi.y@cmrit.ac.in - CMR Institute of Technology Mail

Mail

COMPOSE

- Inbox (1,328)
- Starred
- Important
- Sent Mail
- Drafts (423)
- Categories
- Social (150)
- Promotions (1...)
- Updates (298)
- Forums (534)

[Gmail]

Deleted Items

Follow up

hod.cse@cmrit.ac...

in:sent

Flip Class on UNIX Architecture Inbox x

Swathi Y <swathi.y@cmrit.ac.in> to ISE

Dear Students,

Please find the links for the flip class wrt UNIX architecture. Please go through this and

1. <https://www.youtube.com/watch?v=O0P0-AwPueQ>
2. <https://www.youtube.com/watch?v=fYUAgEamY>

You can also go through this topic from the textbook "Sumitabha Das., Unix Concepts

Based on this, i will do the evaluation through test or Quiz or any other activity based t

Templates History

| S.N | Version Number | Date of Approval |
|------------|-----------------------|---------------------------|
| 1 | Version 1 | 3 rd Aug. 2018 |