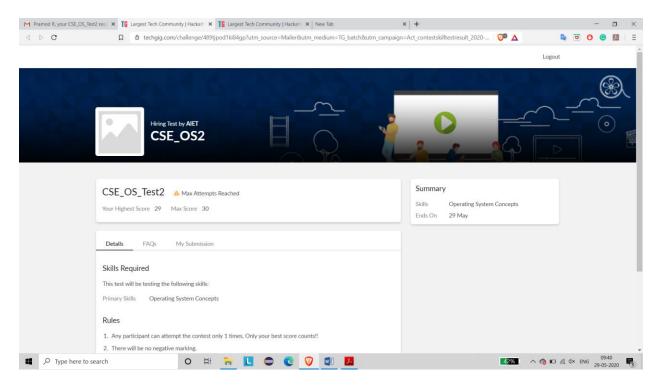
DAILY ONLINE ACTIVITIES SUMMARY

Date:	29/05/2020		Name:	Pramo	Pramod R	
Sem & Sec	4 th sem B section		USN:	4AL18	4AL18CS059	
Online Test Summary						
Subject Operating Systems						
Max. Marks	30		Score	29		
Certification Course Summary						
Course Blockchain Basics						
Certificate Provider		Coursera	Duration		4 weeks	
Coding Challenges						
Problem Statement: Java program to find the size of the largest '+' formed by all 1's in given binary matrix						
Status: Completed						
Uploaded th	e report ii	n Github	YES	YES		
If yes Repository name				https://github.com/alvas-education- foundation/Pramod_R		
Uploaded the report in slack			YES	YES		

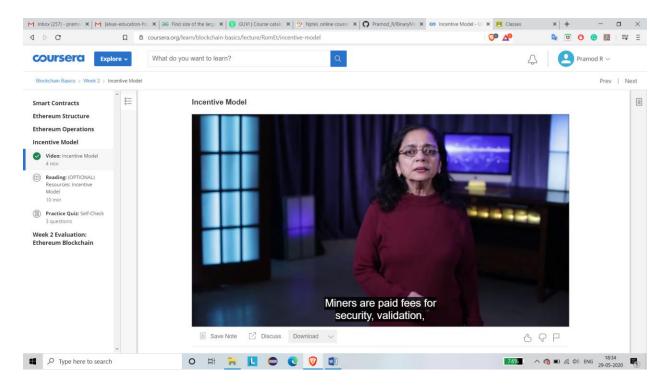
Online Test Details: (Attach the snapshot and briefly write the report for the same)



Operating Systems internals was conducted. A total of 30 questions were there in which all the 30 of them were Multiple Choice Questions.

The above snapshot is the result sheet which was mailed to us by the Techgig team

Certification Course Details: (Attach the snapshot and briefly write the report for the same)



The course I have chosen during the lockdown period is Blockchain basics. Since I had previously knew few topics about bitcoin I am continuing this course. Since Blockchain is gaining a lot interest in the IT Sector I have preferred to choose this course.

Coding Challenges Details: (Attach the snapshot and briefly write the report for the following)

The question I took to code is:

Java program to find the size of the largest '+' formed by all 1's in given binary matrix

```
M Inbox (257) - pramo: X M Iahvas-education-fo: X DG Find size of the larg: X G GUVI [Course catal: X 9 Pamod, R/BinaryM: X CO Self-Check] Course: X Q Coursera-blockchair: X + - - X
                                        ♥ ▲
                                                                                                                                                                                                                                   📭 😈 🔿 📵 💹 🗎
                                                                                                                                                                       Raw Blame History 🖫 🖉 🗓
                                                       // Java program to find the size of the largest '+'
// formed by all 1's in given binary matrix
                                                                 // size of binary square matrix
                                                                // Function to find the size of the largest '+'
// formed by all 1's in given binary matrix
                                                                 static int findLargestPlus(int mat[][])
                                                                          // left[j][j], right[i][j], top[i][j] and
// bottom[i][j] store maximum number of
// consecutive 1's present to the left,
// right, top and bottom of mat[i][j]
                                                                         // right, top and bottom of mat[i][j
// including cell(i, j) respectively
int left[][] - new int[N][N];
int right[][] - new int[N][N];
int top[][] - new int[N][N];
int bottom[][] - new int[N][N];
                                                                         // initialize above four matri
for (int i = 0; i < N; i++) {</pre>
                                                                                   // initialize first row of top
top[0][i] = mat[0][i];
                                                                                   // initialize last row of bott
                                                                                                                                                                                                            72% A (a) III (b) ENG 18:37 (29:05-2020 (1)
                                                                   O # 📜 📘 😊 🕲 🐠
 Type here to search
```

Solution: The above snapshot is the code which I have uploaded in my Github repository