DAILY ONLINE ACTIVITIES SUMMARY

Date:	**08/06/2020**	**Name:**	**Deekshith T R**
Sem & Sec	**8th A**	**USN:**	**4AL16CS027**

Online Test Summary

Subject	**SMS**		
Max. Marks	**60**	**Score**	**54**

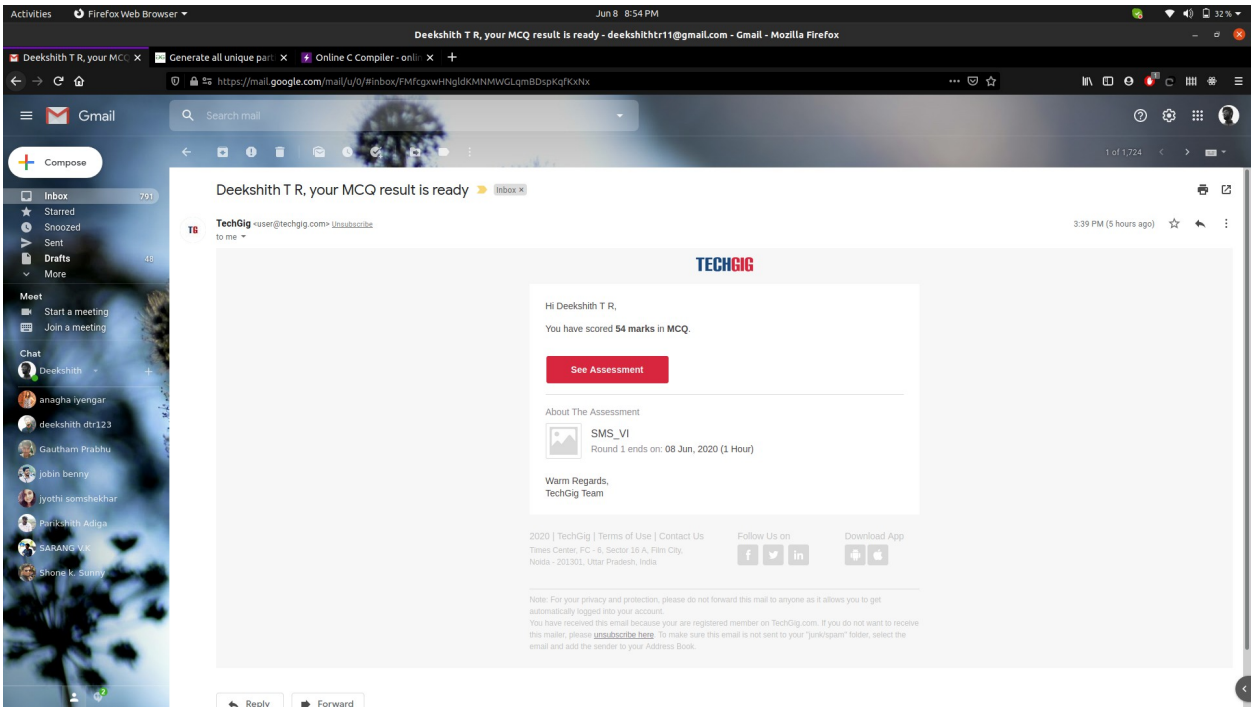
Certification Course Summary

Course	**Getting started Hadoop**		
Certificate Provider	**GreatLearning**	**Duration**	**5.5hr**

Coding Challenges

Problem Statement: C Program to Generate All the Set Partitions of n Numbers Beginning from 1 and so on	
Status: Completed	
Uploaded the report in Github	**yes**
If yes Repository name	**Deekshithtr_16cs027**
Uploaded the report in slack	**yes**

Online Test Details:



Certification Course Details:

Coding Challenges Details:

program1:

```
#include<stdio.h>
void printArray(int p[], int n)
{
        for (int i = 0; i < n; i++)
        printf("%d ",p[i]) ;
        printf("\n");
}

void printAllUniqueParts(int n)
{
        int p[n];
        int k = 0;
        p[k] = n;
        while (1)
        {
                printArray(p, k+1);
                int rem_val = 0;
                while (k >= 0 && p[k] == 1)
                {
                        rem_val += p[k];
                        k--;
                }
```

```
                if (k < 0) return;
                p[k]--;
                rem_val++;
                while (rem_val > p[k])
                {
                        p[k+1] = p[k];
                        rem_val = rem_val - p[k];
                        k++;
                }
                p[k+1] = rem_val;
                k++;
        }
}
int main()
{
    int n;
    printf("enter a number : ");
    scanf("%d",&n);
        printf("All Unique Partitions of %d \n",n);
        printAllUniqueParts(n);
        return 0;
}
```