DAILY ONLINE ACTIVITIES SUMMARY

Date:	**27-05-2020**	**Name:**	**Deepika K V**
Sem & Sec	**8th sem 'A' sec**	**USN:**	**4AL16CS030**

Online Test Summary

Subject	**IoT**		
Max. Marks	**30**	**Score**	**28**

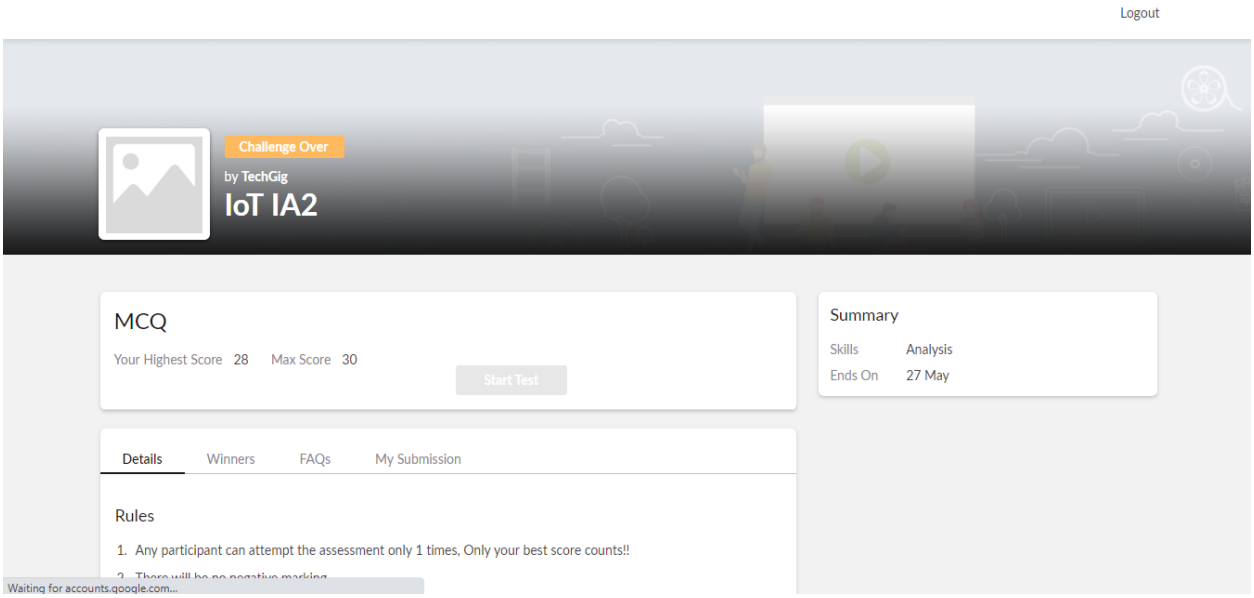
Certification Course Summary

Course	**Learn Python From Scratch :Basics and projects for practice**		
Certificate Provider	**BitDegree**	**Duration**	**31 hrs**

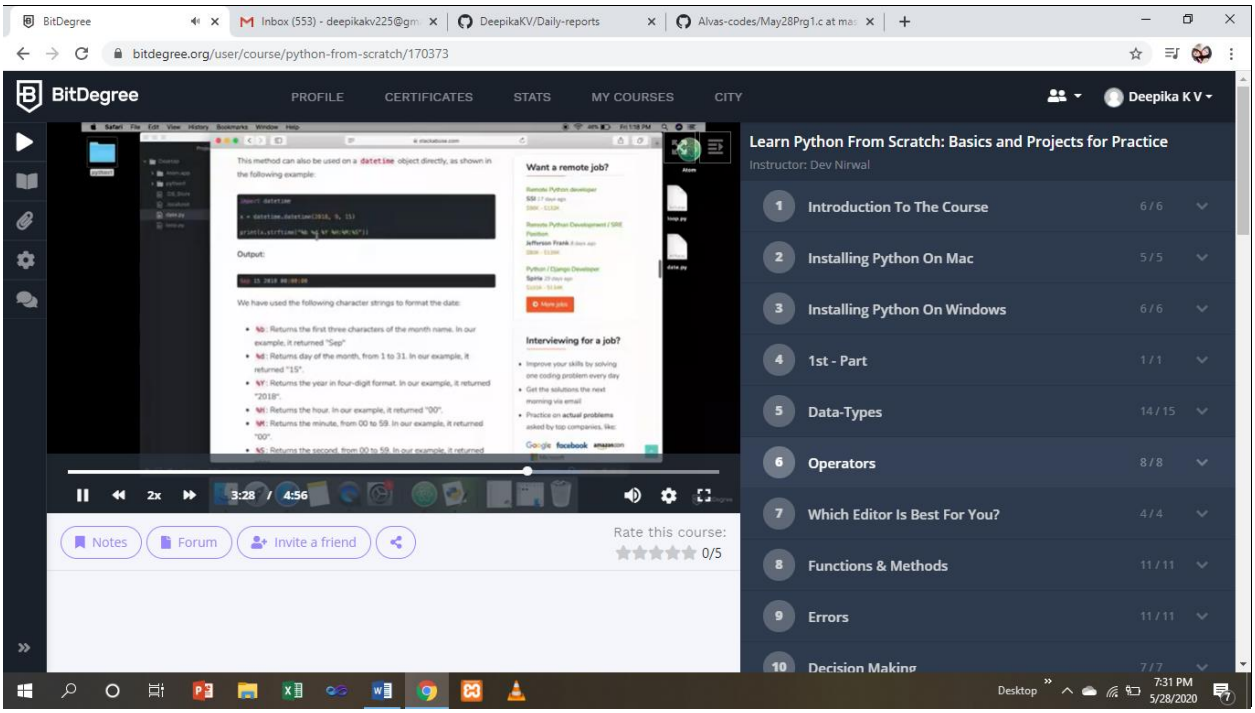
Coding Challenges

Problem Statement: Write a C program to sort array of integers in ascending order and display the sorted array and number of passes performed for sorting.	
Status: SUBMITTED	
Uploaded the report in Github	**YES**
If yes Repository name	**Codes**
Uploaded the report in slack	**YES**

Online Test Details:



Certification Course Details:



Coding Challenge:

```
#include
<stdio.h>
            void swap(int *xp, int *yp)
            {
            int temp = *xp;
            *xp = *yp;
            *yp = temp;
            }
            int bubbleSort(int arr[], int n)
            {
            int i, j,count=0;
            int swapped;
            for (i = 0; i < n-1; i++)
            {
            swapped = 0;
            for (j = 0; j < n-i-1; j++)
            {
            if (arr[j] > arr[j+1])
            {
            swap(&arr[j], &arr[j+1]);
            swapped = 1;
            count++;
            }
            }
            if (swapped == 0)
            break;
            }
            return count;
            }
            void printArray(int arr[], int size)
            {
                int i;
                for (i=0; i < size; i++)
                    printf("%d ", arr[i]);
                printf("\n");
            }
            int main()
            {
                int arr[50],num;
                printf("Enter the number of elements: ");
                scanf("%d",&num);
```

```
    printf("Enter the elements \n");
    for(int i=0;i<num;i++)
    {
        scanf("%d",&arr[i]);
    }
    int c=bubbleSort(arr, num);
    printf("Sorted array: \n");
    printArray(arr, num);
    printf("Number of passes:%d\n",c);
    return 0;
}
```