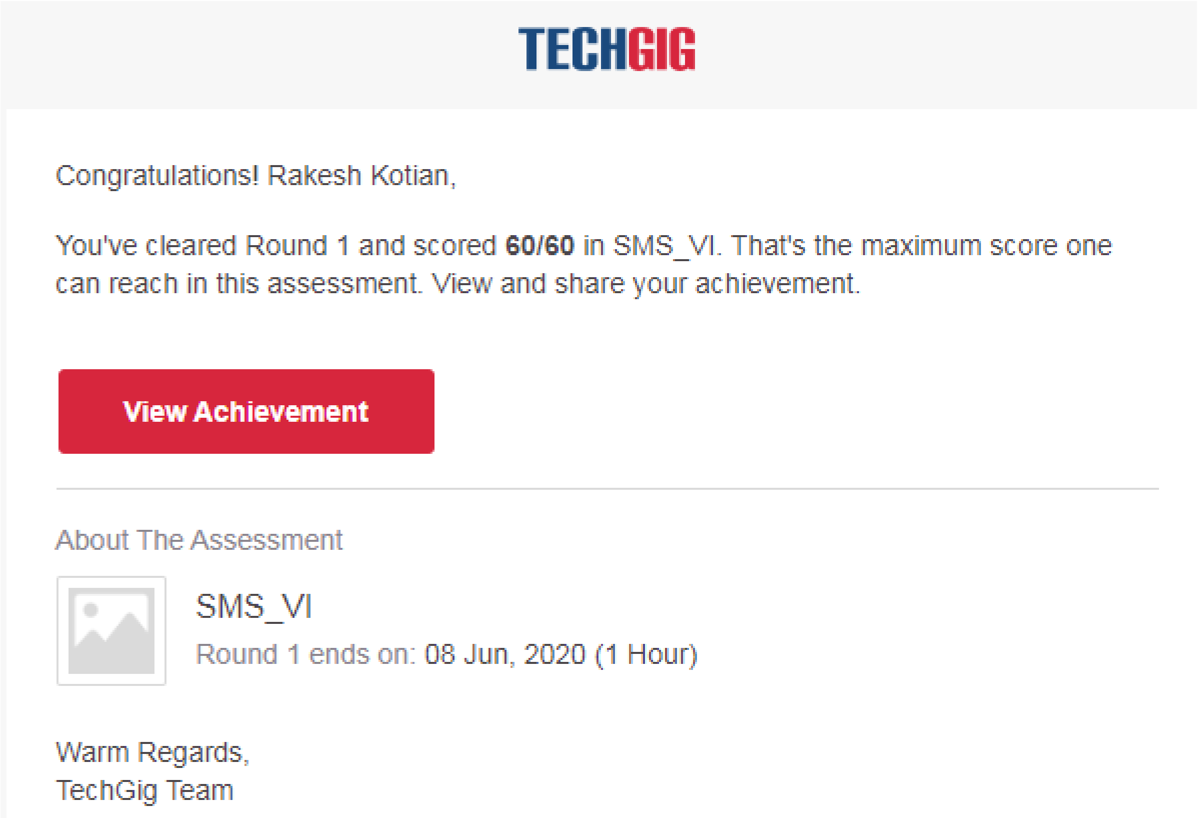
DAILY ONLINE ACTIVITIES SUMMARY

Date:	**08-06-2020**	**Name:**	**Rakesh M Kotian**
Sem & Sec	**8 th sec-b**	**USN:**	**4al16cs072**
Online Test Summary			
Subject	**sms**		
Max. Marks	**60**	**Score**	**60**
Certification Course Summary			
Course	**Python for machine learning**		
Certificate Provider	**Great learning**	**Duration**	**6 hours**
Coding Challenges			
Problem Statement: *To sort the number using merge sort*			
Status:solved			
Uploaded the report in Github	**yes**		
If yes Repository name	**Rakeshkotian08**		
Uploaded the report in slack	**yes**		

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



TECHGIG

Congratulations! Rakesh Kotian,

You've cleared Round 1 and scored **60/60** in SMS_VI. That's the maximum score one can reach in this assessment. View and share your achievement.

View Achievement

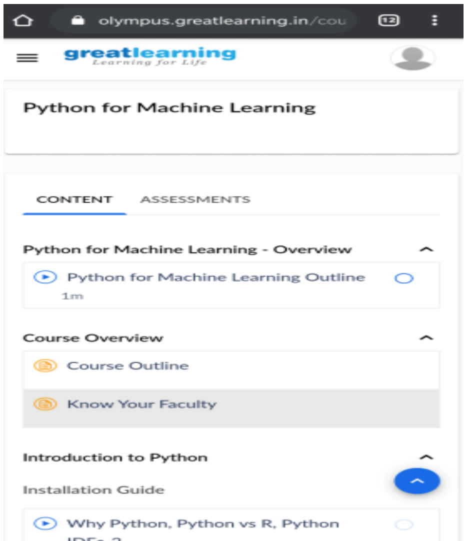
About The Assessment

SMS_VI

Round 1 ends on: 08 Jun, 2020 (1 Hour)

Warm Regards,
TechGig Team

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



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Learning for Life

Python for Machine Learning

CONTENT ASSESSMENTS

Python for Machine Learning - Overview

Python for Machine Learning Outline
1m

Course Overview

Course Outline

Know Your Faculty

Introduction to Python

Installation Guide

Why Python, Python vs R, Python IDEs 2

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

1. *To sort the number using merge sort*

Pgrm1:

```
def merge(arr, l, m, r):
n1 = m - l + 1
n2 = r- m
L = [0] * (n1)
R = [0] * (n2)
for i in range(0 , n1):
L[i] = arr[l + i]
for j in range(0 , n2):
R[j] = arr[m + 1 + j]
i = 0
j = 0
k = l
while i < n1 and j < n2 :
```

```
if L[i] <= R[j]:
arr[k] = L[i]
i += 1
else:
arr[k] = R[j]
j += 1
k += 1
while i < n1:
arr[k] = L[i]
i += 1
k += 1
while j < n2:
arr[k] = R[j]
j += 1
k += 1
def mergeSort(arr,l,r):
if l < r:
m = (l+(r-1))//2
mergeSort(arr, l, m)
mergeSort(arr, m+1, r)
merge(arr, l, m, r)
arr = [12, 11, 13, 5, 6, 7]
n = len(arr)
print ("Given array is")
for i in range(n):
print ("%d" %arr[i]),
mergeSort(arr,0,n-1)
print ("\n\nSorted array is")
for i in range(n):
print ("%d" %arr[i]),
```