DAILY ONLINE ACTIVITIES SUMMARY

Date:	**20/05/2020**	**Name:**	**Vignesha M. Shetty**
Sem & Sec	**8th,B**	**USN:**	**4AAL16CS124**

Online Test Summary

Subject	**Internet of Things**		
Max. Marks	**30**	**Score**	**23**

Certification Course Summary

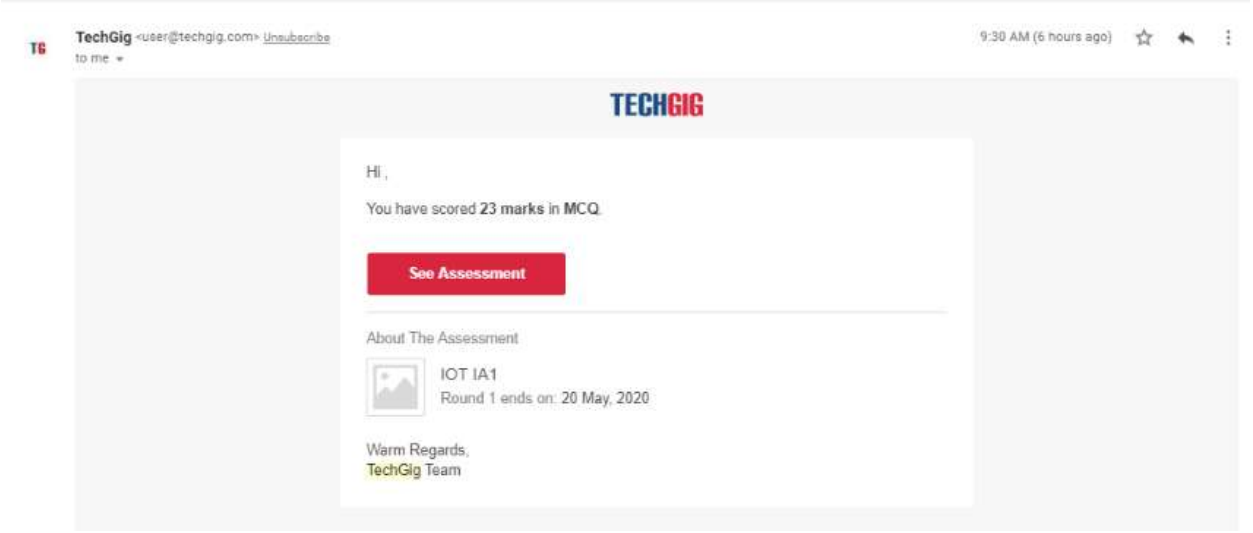
Course	**Introduction to Digital Marketing**		
Certificate Provider	**GreatLearning**	**Duration**	**2.5 hours**

Coding Challenges

Problem Statement: 1. Reversing linked list. 2. swapping values of string	
Status: Solved	
Uploaded the report in Github	**yes**
If yes Repository name	**Vignesh124, Online_Certifications, Daily_progress-report, Online_coding**
Uploaded the report in slack	**yes**

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

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



IA1:Module 1 & 2

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

Program 1:

```
struct Node
{
int data;
struct Node* next;
};

pointer to the new head node. /
struct Node reverse (struct Node head, int k)
{
struct Node current = head;
struct Node next = NULL;
struct Node prev = NULL;
int count = 0;

while (current != NULL && count < k)
{
    next  = current->next;
    current->next = prev;
    prev = current;
    current = next;
    count++;
}

if (next !=  NULL)
   head->next = reverse(next, k);

return prev;
}

void push(struct Node** head_ref, int new_data)
{
struct Node* new_node =
(struct Node*) malloc(sizeof(struct Node));

new_node->data  = new_data;

new_node->next = (*head_ref);

(*head_ref)    = new_node;
}

void printList(struct Node *node)
{
while (node != NULL)
{
printf("%d ", node->data);
```

```
node = node->next;
}
}

int main(void)
{
struct Node* head = NULL;
push(&head, 8);
push(&head, 7);
push(&head, 6);
push(&head, 5);
push(&head, 4);
push(&head, 3);
push(&head, 2);
push(&head, 1);

 printf("\nGiven linked list \n");
 printList(head);
 head = reverse(head, 2);

 printf("\nReversed Linked list \n");
 printList(head);

 return(0);
}
```

2.

Code to swap 'x' and 'y'

```
x = x ^ y;
y = x ^ y;
x = x ^ y;
print ("After Swapping: x = ", x, " y =", y)
```