



Department of Computer Science

Government College Theog

Report on Flipped Classroom Activities for B.Sc. Computer Science students (Session 2025–26)

Faculty:

Department of Computer Science, Government College Theog.

Objectives:

- To promote active learning through pre-class study and interactive classroom discussions.
- To enhance students' understanding of key topics through self-paced preparation and collaborative activities.
- To develop analytical, critical thinking, and communication skills among students.

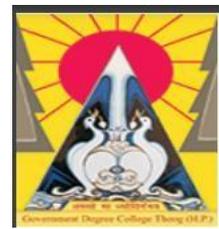
Report Summary:

During the academic session 2025–26, a Flipped Classroom activity was successfully conducted for the B.Sc. Computer Science 1st and 2nd-year students under the guidance of the faculty of the Department of Computer Science, Government College Theog. The objective of this activity was to encourage students to take an active role in their learning process and to strengthen their conceptual understanding through pre-class preparation and in-class engagement.

Topics were selected from the respective syllabi of the B.Sc. 1st and 2nd-year Computer Science courses. Students were provided with study materials, reading references, and video lectures in advance to prepare for the classroom session. During the in-class activity, students participated in discussions, group work, and problem-solving exercises related to the assigned topics.

Following the classroom activity, students were evaluated based on their participation, understanding, and presentation of the topics. Feedback was provided both by the faculty and the students, creating a two-way communication that helped identify areas of improvement and encouraged reflective learning.

The flipped classroom methodology proved effective in increasing engagement, enhancing conceptual clarity, and promoting self-directed learning. Both students and faculty appreciated the initiative and expressed interest in continuing such interactive learning approaches in future sessions.



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Government College Theog

DATA AND FUNCTIONS

OBJECT

- ATTRIBUTES**
 - DATA
 - Name
 - Height
 - Gender
 - Power
- METHODS**
 - FUNCTIONALITY
 - Run
 - Walk
 - Jump
 - Swim

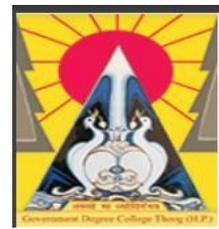
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DATA AND FUNCTIONS

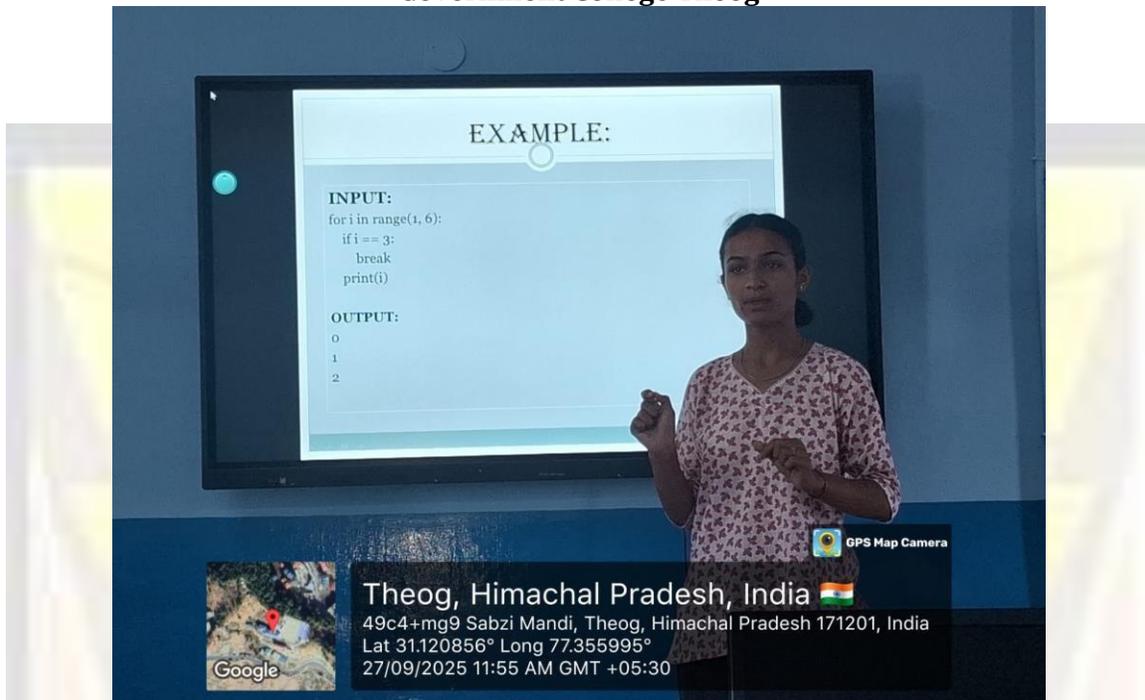
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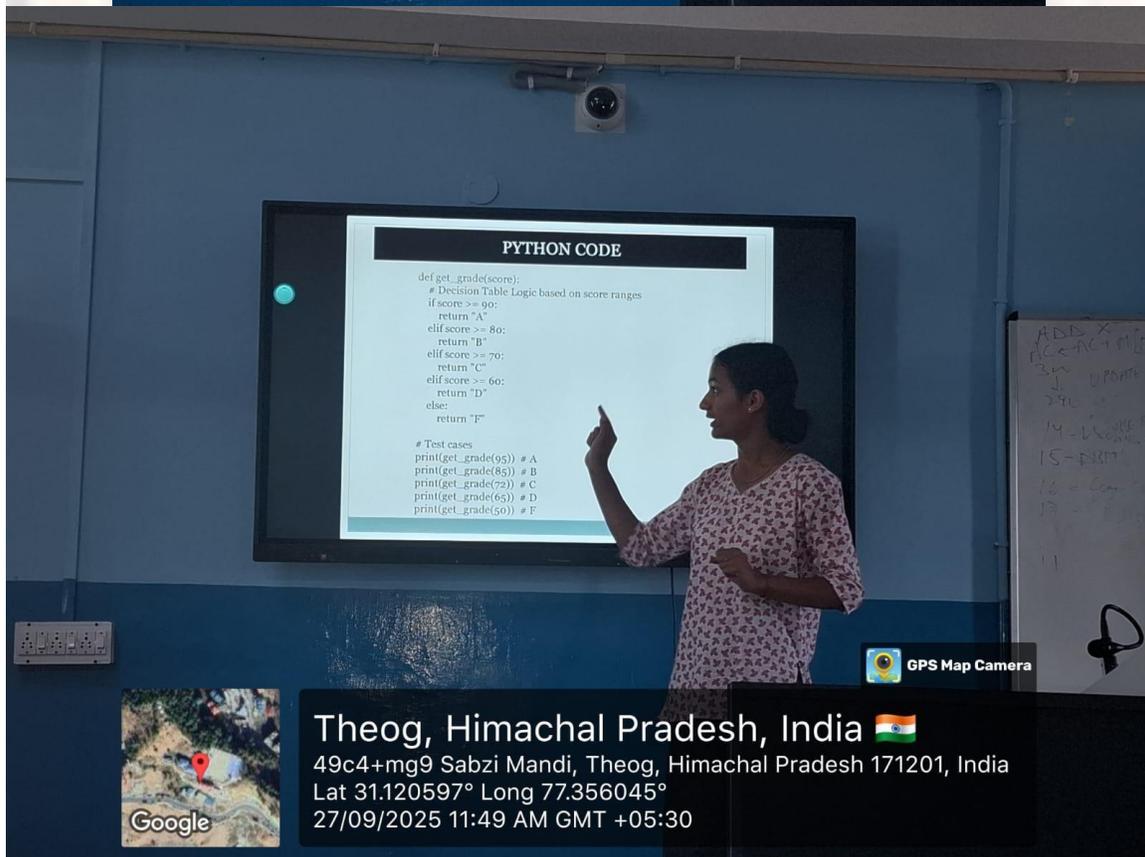


EXAMPLE:

```
INPUT:  
for i in range(1, 6):  
    if i == 3:  
        break  
    print(i)  
  
OUTPUT:  
0  
1  
2
```

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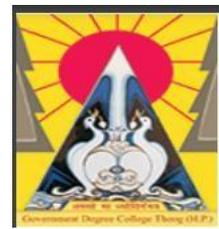
PYTHON CODE

```
def get_grade(score):  
    # Decision Table Logic based on score ranges  
    if score >= 90:  
        return "A"  
    elif score >= 80:  
        return "B"  
    elif score >= 70:  
        return "C"  
    elif score >= 60:  
        return "D"  
    else:  
        return "F"  
  
# Test cases  
print(get_grade(95)) # A  
print(get_grade(85)) # B  
print(get_grade(72)) # C  
print(get_grade(65)) # D  
print(get_grade(50)) # F
```

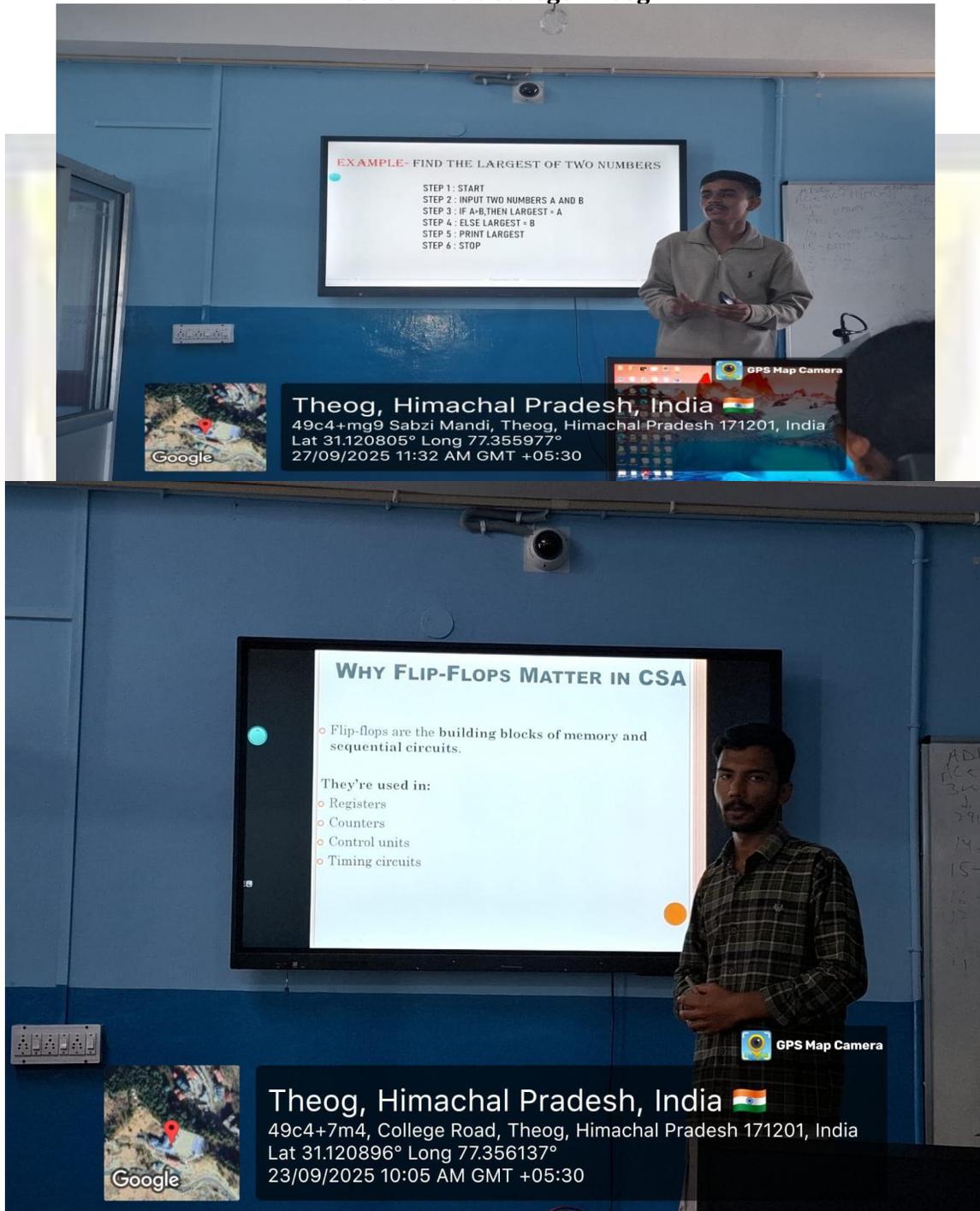
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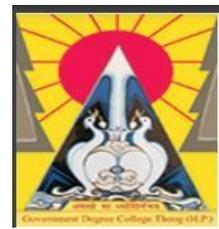


Handwritten notes on whiteboard:
ADD X
AC < AC + M
34
UPDATE
29L
14 - 2000
15 - 2000
16 - 2000
17 - 2000
18 - 2000
19 - 2000
20 - 2000

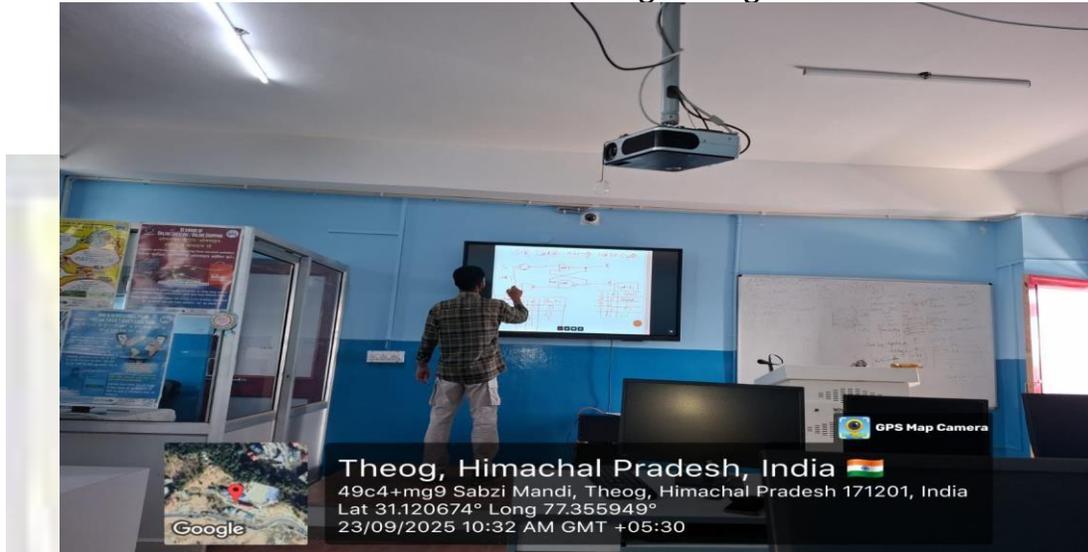


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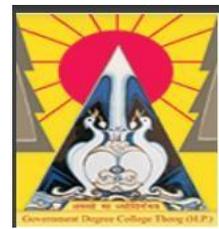
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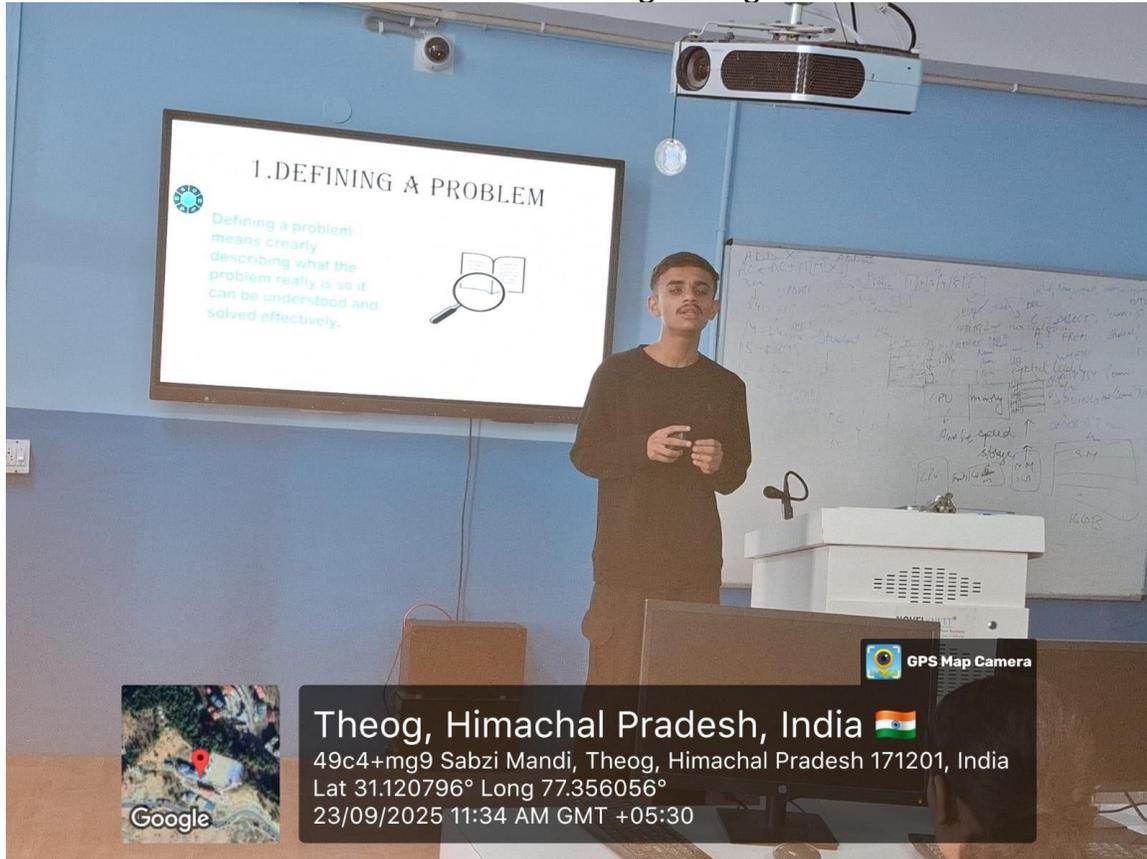
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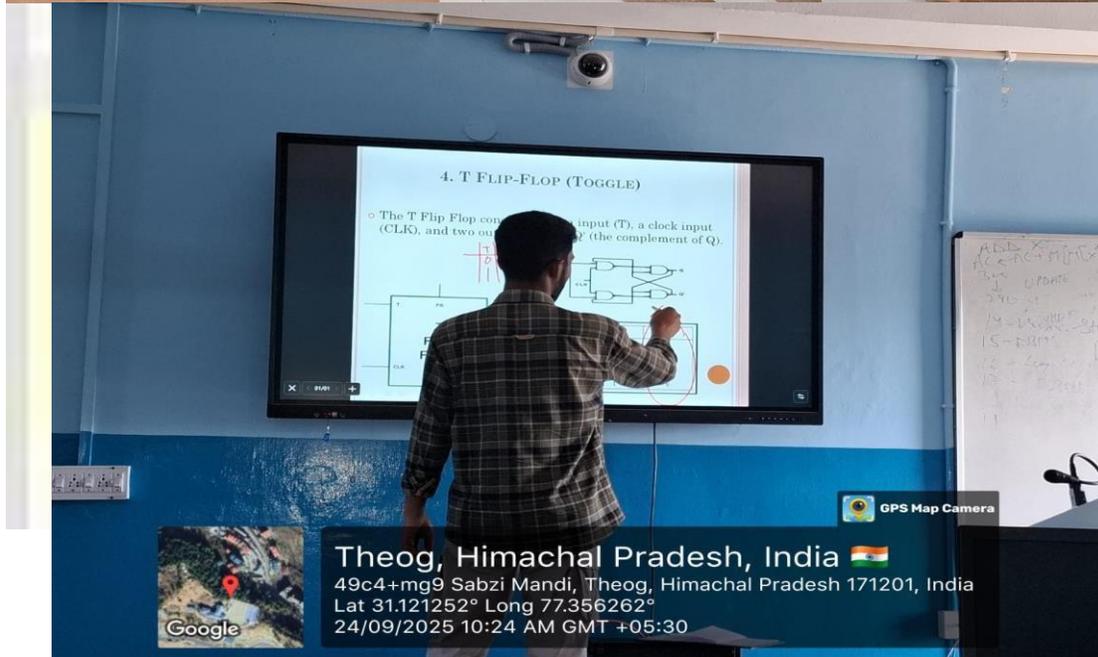
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