

Innovations by the Faculty in Teaching and Learning

Sl. No.	Pedagogical Methods	Activities
1.	<p>Method: Think pair Share Faculty: Nisha S Raj Assistant Professor Sem / Class: 3 / CSE2 Course: CS205 Data Structures</p>	<p>The activity is to encourage all students to interact with the course content. In this activity, the instructor states an open-ended question. Ask students to spend a minute or two thinking about and writing a response. Then ask students to pair with a partner to discuss their responses. Reconvene the class after a few minutes, and call on individual students to share the pair's responses.</p> <div data-bbox="685 562 1461 1146" style="border: 1px solid #ccc; background-color: #e0f2f1; padding: 10px;"> <h3 style="text-align: center;">Think Pair Share</h3> <ul style="list-style-type: none"> • Think: How is a directed graph different from an undirected graph?[1 min] • Pair: With your neighbor, discuss your responses [2mins] • Share: Share your differences to the class [4 mins] </div>
2.	<p>Method: Peer Instruction Faculty: Nisha S Raj Assistant Professor Sem / Class: 3 / CSE2 Course: CS205 Data Structures</p>	<p>With Peer Instruction, teacher pauses during class and ask students a conceptual question. Give students a few minutes to think about the question, and then have them provide answers. Then, have students spend a few minutes talking about their answers, usually in pairs, and try to convince each other that their answer is correct. Then have students answer again, until they converge.</p> <div data-bbox="665 1377 1578 1892" style="border: 1px solid #ccc; background-color: #e0f2f1; padding: 10px;"> <h3 style="text-align: center;">Peer Instruction</h3> <ul style="list-style-type: none"> • Given the following input (4322, 1334, 1471, 9679, 1989, 6171, 6173, 4199) and the hash function $x \text{ mod } 10$, which of the following statements are true? <ul style="list-style-type: none"> i. 9679, 1989, 4199 hash to the same value ii. 1471, 6171 has to the same value iii. All elements hash to the same value iv. Each element hashes to a different value <p>A. i only B. ii only C. i and ii only D. iii or iv</p> <ul style="list-style-type: none"> o Vote: [2min] o Discuss with your neighbor [2mins] o Vote again [1min] o Conclude [2mins] </div>

Study material is made available in online mode through website to the students prior to teaching. Additional tests are conducted and solutions are made available online for self-verification.

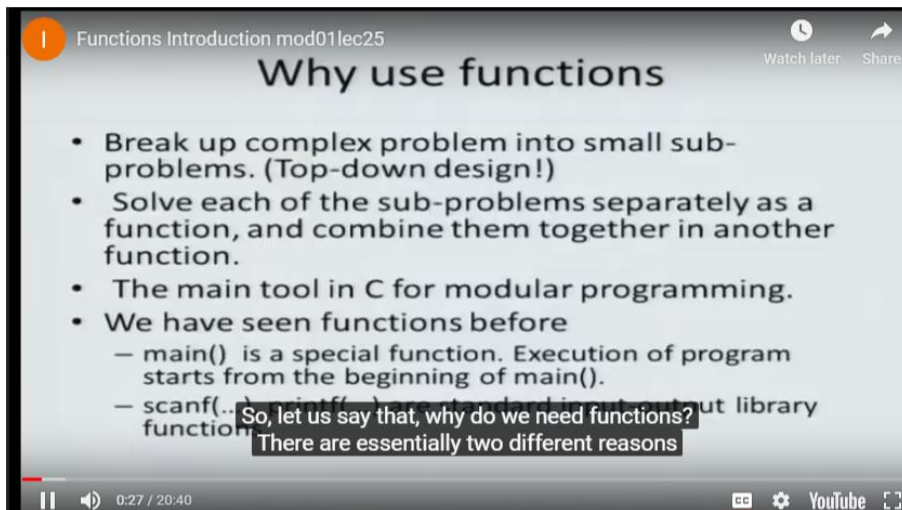
Method : **FLIPPED CLASSROOM**

Faculty Deepasree Varma P

Sem/Class : 2 / CSE2

Course/Course Code: Introduction to Computer Programming / CS100

3.



Creating a google classroom using google app. Students are made to join as members of the google class room. Notes materials, Assignments, Quiz questions are posted in the app. Students can participate in the quiz by registering through app sign in and evaluation will be done.

Method : **GOOGLE CLASS ROOM**

Faculty : Litty Koshy

Sem/Class : 7 / CSE1

Course/Course Code: Machine Learning/CS 467

4.

