

BNM Institute of Technology, Bangalore

INNOVATIVE TEACHING METHODS

Title of innovation method / activity: Think out of the box

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Designation: Assistant Professor

Goals or objectives of method: To understand looping and conditional statements, encourage innovation.

Description of method:

1. Each student was given a chance of thinking out of the box to write a code on anything using the looping and conditional statements in Verilog
2. Students came up with innovative contexts.
3. I went through each code in the class and best among them were appreciated and discussed in class.

Benefits of method:

1. Improve Logical thinking skills
2. Understand looping and conditional statements effectively.

For review and critique contact: rohini.antharmuki@gmail.com

Question and Sample answer sheet.

Write a pseudocode for any application in real world using looping and conditional statements.

```
0:100
AKASH GUPTA
18915EC007
10/10/17
Verilog HDL
Brain Storming Session
Prob:1 Railway pricing system according to
age group for 100 passengers.

module pricing(age, passenger)
input age;
integer passe [0:100] passenger;
initial
begin
for (i=0; i<101; i++)

if (age < 12)
price passenger[i] = 2'd 20;
display $display("The price of %d passenger is %d", i, passenger[i]);
elseif (age >= 12 && age <= 60)
passenger[i] = 2'd 40;
display $display("The price of %d passenger is %d", i, passenger[i]);
else
passenger[i] = 2'd 30;
$display("The price of the %d passenger is %d",
i, passenger[i])

end
end
endmodule.
```