



Atria Institute of Technology

Bengaluru - 560074

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Department of Computer Science and Engineering

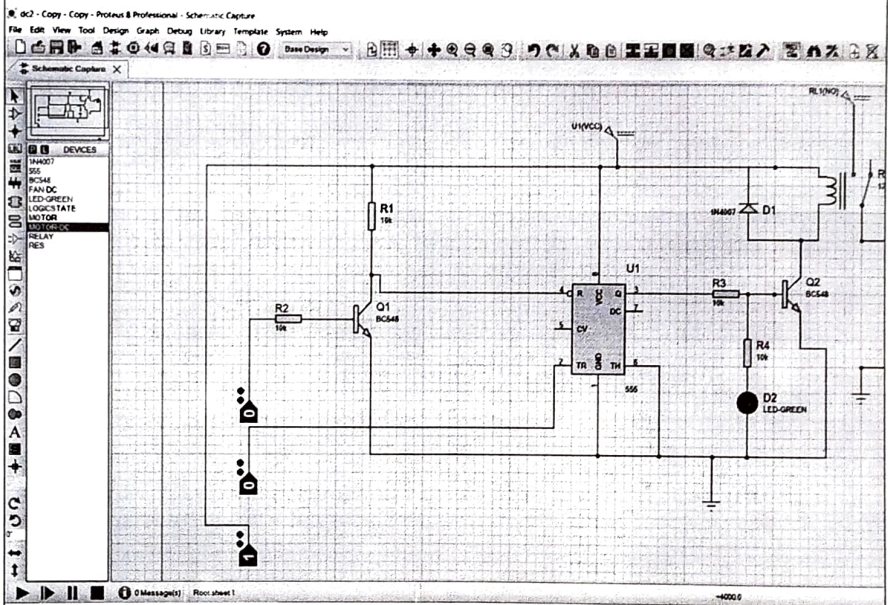
Date: 24-07-2020

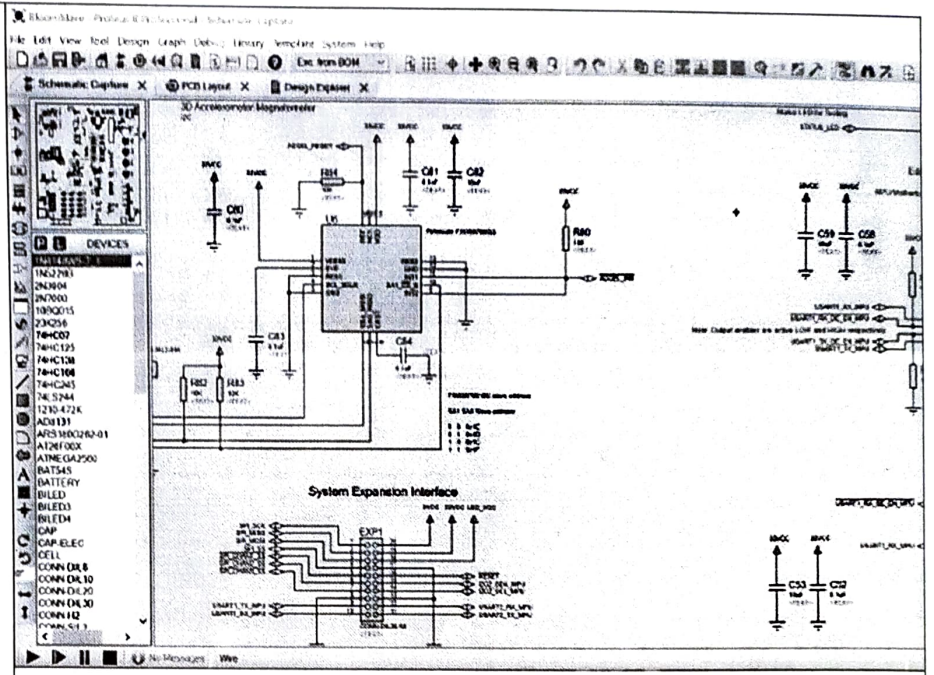
DETAILS OF THE INNOVATIVE TEACHING METHODS USED BY THE FACULTY

Academic Year	2019-20, ODD SEM
Subject Name and Subject Code	Analog & Digital Electronics, 18CS33
Faculty Name	Hemalatha K N
Semester	III
Name of the Innovative Teaching Methods used	Hands-On Session On “ Proteus Software To Simulate A Circuit”
Short Description of the Innovative Teaching Activity.	<p>The Proteus Design Suite is a proprietary software tool suite used primarily for <u>electronic design automation</u>. The software is used mainly by electronic <u>design engineers</u> and technicians to create <u>schematics</u> and electronic prints for manufacturing <u>printed circuit boards</u>.</p> <p>It was developed in <u>Yorkshire</u>, England by Labcenter Electronics Ltd and is available in English, French, Spanish and Chinese languages.</p> <p>The Proteus Design Suite is a Windows application for <u>schematic capture</u>, <u>simulation</u>, and PCB (<u>Printed Circuit Board</u>) layout design. It can be purchased in many configurations, depending on the size of designs being produced and the requirements for microcontroller simulation. All PCB Design products include an auto router and basic mixed mode SPICE simulation capabilities.</p>
Number of students got benefited.	40

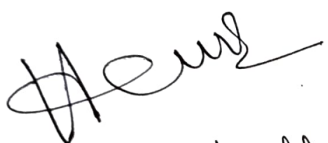

Number of students involved in the activity.	60
Venue of the Activity	ONLINE
Date of the Event	23/07/2020 @12 PM
Whether the work can be Reproduced and Reviewed.	YES
Details are available in the college website.	YES

Photograph for the event





Contents of the Event	Students simulated the circuits using Proteus software and explored the practical working of theoretical circuits
Impact Analysis after using this Innovative Teaching Methods used.	Student's interest has been increased in designing the circuit in a different practical way
Feedback from the Students	Still we need more sessions Proteus software. Enjoyed the hands on session.
Relevance to PO and PSO	PO3,PO5,PO9,PO10
Any comments or Suggestions from the Programme Co-ordinator	The content should be readily made in college website

Signature of the Faculty	Signature of the HOD
 [Hemalatha K.N.]	 Dr. Aishwarya P Professor & Head CSE Atria Institute of Technology Bangalore - 560 024