



Department of Instrumentation and Control Innovative Teaching Method

Class:	SE Instru and Control Engineering (Linear Integrated Circuits) (Students present 11; responses of feedback on google form: 9)
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Name of Method:	Solving GATE Problems in Lab
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Learning Objective:	<ol style="list-style-type: none"> To demonstrate how GATE exam problem is solved in Lab. To inculcate problem solving skills in students.
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Outcomes:	On completion students were able to Understand how theory problem is implemented in practice and how to check the output the problem.
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	The link of the video of the demonstration is : available to department and faculty.
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Impact of Innovative Method:	Students' problem solving skills are increased and learning by demonstration help them to identify how components are selected in actual circuit from theoretical values; and how to use resources in optimum way.
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Rubrics used:

Time stamp	Email Address of students involved	Verification of theory in practice at actual: your experience	Amount of time for problem solving in demonstration (considering Online Exam preparati	About Circuit-Ground connections on bread board	About : The way practical verification is done	Effectiveness of the innovative teaching – learning method

			on near)			
1/20/2020 16:16	rututbharambe@gmail.com	Yes, Demonstration of the GATE-2017 Problem in Laboratory helped me in verification of the theory behind the problem solving to great extent	For group of 3 the time is sufficient	We realized that circuit ground and Power Supply Grounds and CRO Channel probe ground connections are to be tied together and are very important	In the problem x value was to be found. In lab we identified output voltage is 2.0 Volts !	Excellent/Effective
1/20/2020 16:57	Pk392116@gmail.com	Yes, Demonstration of the GATE-2017 Problem in Laboratory helped me in verification of the theory behind the problem solving to great extent	For group of 3 the time is sufficient	We realized that circuit ground and Power Supply Grounds and CRO Channel probe ground connections are to be tied together and are very important	In the problem x value was to be found. In lab we identified output voltage is 2.0 Volts !	Excellent/Effective

1/20/2020 17:43	wajemeenal@gmail.com	Yes, Demonstration of the GATE-2017 Problem in Laboratory helped me in verification of the theory behind the problem solving to great extent	For group of 3 the time is sufficient	There is nothing new in such point. I knew it.	In the problem x value was to be found. In lab we identified output voltage is 2.0 Volts !	Excellent/Effective
1/20/2020 18:25	bmp221020@gmail.com	Yes, Demonstration of the GATE-2017 Problem in Laboratory helped me in verification of the theory behind the problem solving to great extent	For group of 3 the time is sufficient	We realized that circuit ground and Power Supply Grounds and CRO Channel probe ground connections are to be tied together and are very important	In the problem x value was to be found. In lab we identified output voltage is 2.0 Volts !	Excellent/Effective
1/20/2020 18:37	priyankasonawane2001@gmail.com	I understood very few things from the demonstration in the lab.	For group of 3 the time is sufficient	There is nothing new in such point. I knew it.	In the problem x value was to be found. In lab we identified output voltage is 2.0 Volts !	Excellent/Effective

1/20/2020 22:23	guptanitesh156@gmail.com	Yes, Demonstration of the GATE-2017 Problem in Laboratory helped me in verification of the theory behind the problem solving to great extent	For group of 3 the time is sufficient	We realized that circuit ground and Power Supply Grounds and CRO Channel probe ground connections are to be tied together and are very important	In the problem x value was to be found. In lab we identified output voltage is 2.0 Volts !	Excellent/Effective
1/21/2020 13:29	nikita.sapnar@gmail.com	Yes, Demonstration of the GATE-2017 Problem in Laboratory helped me in verification of the theory behind the problem solving to great extent	For group of 3 the time is sufficient	There is nothing new in such point. I knew it.	No I did not get how this verification is done.	Excellent/Effective
1/21/2020 13:41	sanghapriyamahale17@gmail.com	Yes, Demonstration of the GATE-2017 Problem in Laboratory helped me in verification of the theory behind the problem solving to great extent	Comparatively more time could have been spend	We realized that circuit ground and Power Supply Grounds and CRO Channel probe ground connections are to be tied together and are very important	In the problem x value was to be found. In lab we identified output voltage is 2.0 Volts !	Excellent/Effective

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1/23/2020 1:11	vkpatil7383d@gmail.com	Yes, Demonstration of the GATE-2017 Problem in Laboratory helped me in verification of the theory behind the problem solving to great extent	Comparatively more time could have been spend	There is nothing new in such point. I knew it.	In the problem x value was to be found. In lab we identified output voltage is 2.0 Volts !	Excellent/Effective

Timestamp	Email Address	Verification of theory in practice at actual: your experience	Amount of time for problem solving in demonstration (considering Online Exam preparation near)	About Circuit-Ground connections on bread board	About : The way practical verification is done	Effectiveness of the innovative teaching – learning method	Average Score
1/20/2020 16:16	rututbharambe@gmail.com	3	3	3	3	3	3
1/20/2020 16:57	Pk392116@gmail.com	3	3	3	3	3	3
1/20/2020 17:43	wajemeenal@gmail.com	3	3	2	3	3	2.8
1/20/2020 18:25	bmp221020@gmail.com	3	3	3	3	3	3
1/20/2020 18:37	priyankasonawane2001@gmail.com	2	3	2	3	3	2.6
1/20/2020 22:23	guptanitesh156@gmail.com	3	3	3	3	3	3
1/21/2020 13:29	nikita.sapnar@gmail.com	3	3	2	1	3	2.4
1/21/2020 13:41	sanghapriyamahale17@gmail.com	3	2	3	3	3	2.8
1/23/2020 1:11	vkpatil7383d@gmail.com	3	2	2	3	3	2.6