



**SANT BABA BHAG SINGH  
UNIVERSITY**

Vill. Khiala, P.O. Padhiana, Distt. Jalandhar- 144030  
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[www.sbbsuniversity.ac.in](http://www.sbbsuniversity.ac.in)

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## **Webinar in MATLAB and its Applications**

**Event Date: November 15<sup>th</sup>, 2021**

**Event Venue: Online**

**Organising unit/ agency/ collaborating agency: Deptt of EE and ECE, UIET**

**Number of students participated in such activities: 38**

**Summary of Report: (Objective, highlights and snapshots like images should be included)**

### **Objectives:**

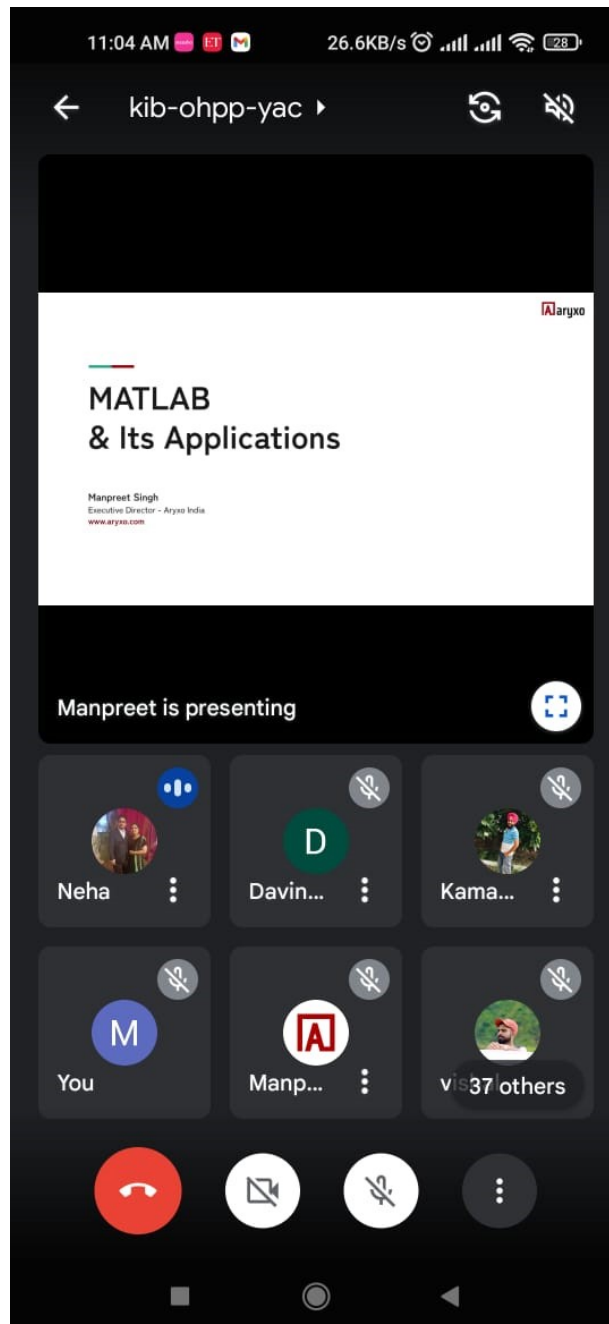
- To provide additional learner centric graded skill oriented technical training, with the primary objective of improving the employability skills of students.**
- To provide students an understanding of the expectations of industry.**
- To bridge the skill gaps and make students industry ready.**



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**Introduction**

- MATLAB is made up word from **M**atrix **L**ABoratory
- Initially developed by programmer and teacher named **Cleve Moler** in late 1960s
- Commercialized under Mathworks Inc. in 1994
- MATLAB itself comprises of a programming language supported by toolboxes
- Used to solve complex mathematical problems involving algebra and matrices
- Available for Windows, Linux and MacOS
- Simulink can be used to simulate hardware features

**Variables**

Variables are used to store data. No data type is required explicitly. Everything is inferred automatically

Do this

```
x = 5;  
speedOfLight = 3*10^8
```

Don't do this

```
int x = 5;  
int speedOfLight = 3*10^8
```

Everything in MATLAB is a matrix. On a simple level it can be a 1x1 matrix.



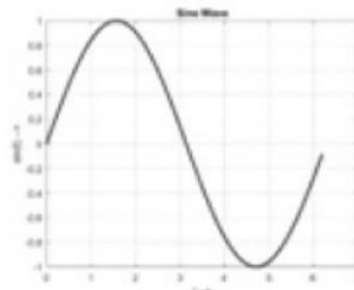
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## Example - Sine Wave

```
t = 0:0.1:2*pi;  
amplitude = sin(t);  
  
plot(t, amplitude)  
grid on  
xlabel('t ->');  
ylabel('sin(t) ->');  
title('Sine Wave');
```



Manpreet Rai



Rohit Kumar

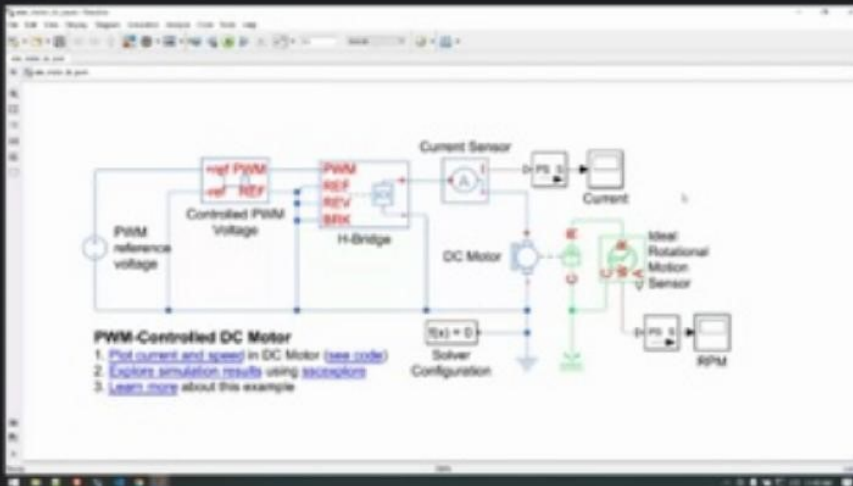


40 others



You

Manpreet Rai is presenting



Manpreet Rai



41 others



You



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← About this call

People

Information

	Gursimranjit Singh		
	Hardeep kaur Kajal		
	Hardeep Singh		
	harmanjit kaur		
	Harninder Singh		
	Harsh Singh		
	Inderjit singh		
	JASPREET SINGH		
	Kainth Baldev		
	Kamal		
	Kamaldeep Singh		
	Kiran Suman		
	Maninder Singh		
	Maninder Singh	