

GURU NANAK COLLEGE (AUTONOMOUS)

Affiliated to University of Madras and Re-Accredited at "A" Grade by NAAC Guru Nanak Salai, Velachery, Chennai – 600042.

School of Sciences

Department of Mathematics (Shift II)

Event Title	An Overview of MATLAB	
Category	National Webinar	
Date	From :22.07.2020	То :22.07.2020
No. of Resource Person	1	
No. of Participants	250	

(1) Report Description

The National webinar on "An Overview of MATLAB" was delivered by the resource person Dr.T.Gunasekar, Associate Professor of Mathematics, VelTech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai-62. Students, Research scholars and faculties from our Gurunanak College and other educational institutes from various part of nation around 250 members have participated enthusiastically and the event went on successfully. The resource person elaborately and patiently cleared the doubts raised by our participants.

(2) Report

- The basics of MATLAB and its application in various field have overviewed.
- Calulation, Some functions, Scalar and Vector in MATLAB was discussed.
- Matrix operation, Plotting of curves, Multiple Graphs Concepts was presented using MATLAB tool.
- Ordinary and Partial Differential equation, Multiple integrals, Transform, Fourier series and Numerical methods concepts was also discussed detail.
- All doubts of participants about the mentioned concepts was addressed and explained in appreciable manner by the presenter.

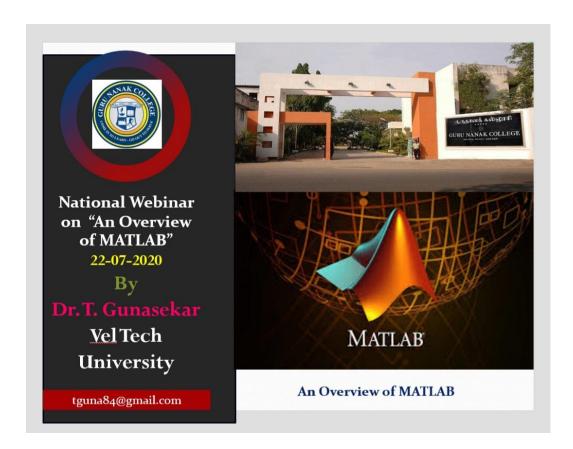
(3) Invitation Copy



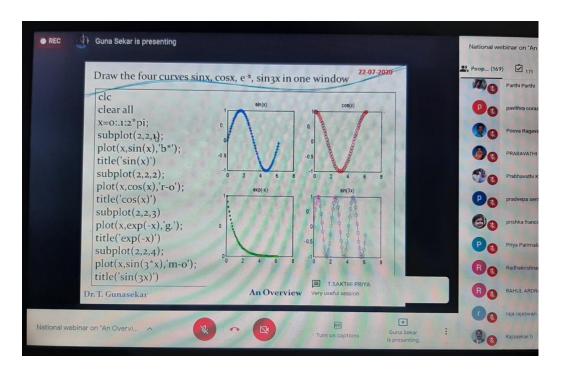
(4) Certificate Copy

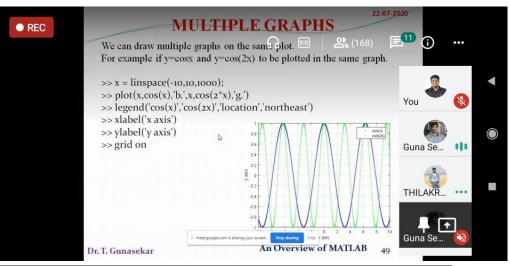


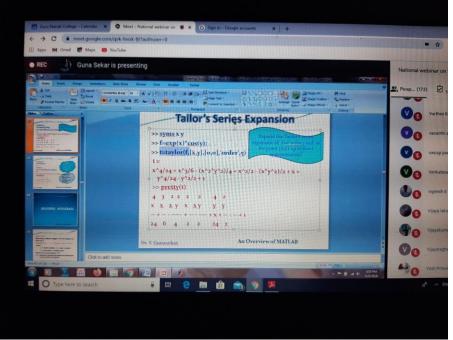
(5) Photos











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25-07-2020
   Lagrange's Interpolation:
  cle
  clear all
  x=input('Enter the x values: ')
  y=input('Enter the y values: ')
  a=input('Enter to find interpolated values x= ');
  term1=((a-x(2))*(a-x(3))*(a-x(4)))*y(1)/
  ((x(1)-x(2))*(x(1)-x(3))*(x(1)-x(4)));
  term2 = ((a-x(1))*(a-x(3))*(a-x(4)))*y(2)/
  ((x(2)-x(1))*(x(2)-x(3))*(x(2)-x(4)));
  term3=((a-x(1))*(a-x(2))*(a-x(4)))*y(3)/
  ((x(3)-x(1))*(x(3)-x(2))*(x(3)-x(4)));
  term4 = ((a-x(1))*(a-x(2))*(a-x(3)))*y(4)/
  ((x(4)-x(1))*(x(4)-x(2))*(x(4)-x(3)));
  disp('Interpolation of y(x)=')
  m=term1+term2+term3+term4;
  disp(m)
                           An Overview of MATLAB
Dr. T. Gunasekar
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