



St. JOSEPH'S DEGREE COLLEGE
SUNKESULA ROAD, KURNOOL-518004
DEPARTMENT OF MATHEMATICS



1. EVENT: FACULTY DEVELOPMENT PROGRAMME ON MATHEMATICA PACKAGE

CHIEF GUEST: Dr. G. Srinivas

Associate Professor and Head
Department of Mathematics
Guru Nanak Institute of Technology,
Hyderabad.

Date: 11-06-2022, Time: 10.00 am

Venue: Placement Cell, Block III

		St. JOSEPH'S DEGREE COLLEGE Sunkesula Road, Kurnool-518004. www.sjcknl.edu.in	
DEPARTMENT OF MATHEMATICS			
FACULTY DEVELOPMENT PROGRAMME			
on			
"MATHEMATICA PACKAGE"			
Date: 11 - Jun - 2022 (Saturday)			
Resource Person			
Dr. G. Srinivas			
Associate Professor Head, Department of Mathematics Guru Nanak Institute of Technology, Hyd.			
Objectives: <ol style="list-style-type: none">To Provide a simple Development platform for Data Analysis, Theoretical Sciences, Finance and other subjects as it supports symbolic computation.To give a broad knowledge about its functionality in terms of working with built - in functions and programming inorder to get better computational outputs.	ORGANIZING COMMITTEE:		
Outcomes: <ol style="list-style-type: none">One get reliable, high quality results without needing algorithm expertise.Using Mathematica one is able to determine roots of Polynomials, Generate Graphics in 2D & 3D, Simplify Trigonometric, Algebraic Expressions, Solve Linear and Non-Linear Differential Equations and Determine Laplace, Fourier transforms of functions.	Chief Patron Ms. Y Showrilu Reddy Administrative Head		
	Patrons Dr. K. Shantha Principal		
	Dr. C. V. Satya Narayana Vice-Principal & Placement Officer		
	Convenor of FDP Dr. T. Mohan Reddy Head, Dept. of Mathematics		

LECTURERS ATTENDED:

1. Dr. T. Mohan Reddy
2. S. Manzoor Kaleem
3. P. Siva Kumar
4. S. Shahanaz Begum
5. S. Ajay Kumar
6. B. Chandra sekhar
7. B. Lakshmanna
8. A. Sarala Kumari
9. P. Vidya Lakshmi
10. Dr. V. Suresh Babu

KEY NOTE ADDRESS BY CHIEF GUEST:

The chief guest addressed the faculty members about the advanced version of Mathematica 12.0 comparing with difficulties of old versions and how this package is useful in various fields of research. He also explained how it applies in visualizing concepts of 2D & 3D geometry, polynomial simplifications, solutions of linear & Non-linear differential equations, concepts of linear algebra and Laplace transformations.

OBJECTIVES:

1. To Provide a simple development platform for data analysis, theoretical sciences, finance and other subjects as it supports symbolic computation.
2. To give a broad knowledge about its functionality in terms of working with built in functions and programming in order to get better computational outputs.

PROGRAM OUTCOME:

1. One gets reliable high quality results without needing algorithm expertise.
2. Using Mathematica one is able to determine roots of polynomials, Eigen values and Eigen vectors of a matrix, generate graphics in 2D and 3D, Solve Linear differential equations and determine Laplace and Fourier transforms of functions, Trigonometric, Algebraic Expressions.





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