

FACULTY DEVELOPMENT PROGRAMME

ORGANISED BY DEPARTMENT OF MATHEMATICS

RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY, KOCHI
ON AUGUST 4

SESSION 1 (9.30AM-12.30AM) - PYTHON

Resource Person – Mr. Binu A, Assistant Professor, Dept. of Information Technology

Matrix operations

Eigenvalue, Eigenvector calculator

Diagonalization

Mathematics of Machine learning

– Applications (Eg. Application of SVD, Eigenvalue decomposition)

2D, 3D graph plotting

Plot different 3D surfaces in same space and how to take its projection

Tangent, normal to curve/surface

Tangent plane, directional derivatives

Equation solving

Graphical explanation of Fourier series/transform, Laplace transform.

Graph theory

How to convert an image to graph and apply morphological operators

SESSION 2 (2.30-3.30) – LATEX

Resource person – Dr. Deepthi Mary Tresa S.

(Pre - Requirement – A Latex installed laptop.)

Concentrating on Mathematical equations and Question paper template

Coordinators : Dr. Deepthi Mary Tresa S. , Vinmol K Jesudas

For more details : 9539548217 , 9495224897.



RSET
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