Singular Value Decomposition (SVD) is a mathematical method that breaks a complex dataset (like a large table or matrix) into simpler, fundamental components, making patterns and structures easier to understand.

In science, SVD is widely used for data analysis, image processing, genetics, climate modeling, and machine learning to reduce noise, compress data, and identify the most important features.

For the public, SVD powers everyday technologies such as facial recognition, recommendation systems (like Netflix or Spotify), medical imaging, and search engines by helping computers find meaningful patterns in large amounts of information.

All are cordially invited

Dr. K. K. Sivadasan, Principal
Sandeep K V, Assistant Professor & Head
Dr. B Satheesh, Assistant Professor
Dr. Priya Bharali, Assistant Professor

on 28.01.2026, Wednesday
@ 10:00 am, Seminar Hall

ORGANISED BY

Department of Physics
Mahatma Gandhi Govt. Arts College
Mahe, U.T. of Puducherry

NAAC : B++, NIRF : 151-200

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INVITED TALK

SINGULAR VALUE DECOMPOSITION OF MATRICES & IMAGE COMPRESSION

by

Dr. C M Ajithkumar

Former Associate Professor & Head
Department of Physics,
Mahatma Gandhi Govt. Arts College, Mahe