PROFESSOR SRINIVASA RAO PENTYALA   DOB: 09TH JUNE, 1971.

Department of Mathematics & Computing
Indian Institute of Technology (ISM) Dhanbad - 826 004, Jharkhand State.

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CAREER OBJECTIVE & CURRENT AREA OF RESEARCH WORK

Wanted to excel in the area of teaching in Mathematics and Computing for real life engineering systems. Numerical weather prediction, scientific computing, convection in heat transfer, IoT in Agriculture Management are current area of research.

EMPLOYMENT

: Member technical team: Process Modeling and Simulation: Tata Research, Development & Design Centre, Pune (2000 - 2001).

: Professor in the Department of Mathematics & Computer Science: BITS Pilani (2001 - 2009).

: Professor in the Department of Mathematics & Computing at IIT (ISM) Dhanbad (Since 2009) - Current assignment.

ACHIEVEMENTS

🏆 GATE - 1994, All India Rank: 2, Score: 99.86 % in MA: Mathematics

🏆 Joint Entrance Screening Test - 1994 for admission into Ph.D Programmes in IMSC, Chennai etc., Rank: 5.

🏆 Andhra Pradesh state level Scholarship for M.Sc programme in NIT, Warangal.

🏆 Published 58 scientific peer reviewed articles in the area of Fluid Mechanics, Numerical Methods, AI/ML Applications for Numerical Solutions.

🏆 Ph.D guided: 09 ,Ongoing: 07

🏆 Completed 6 sponsored projects (CSIR, NBHM, DST, UGC, MHRD), Two projects are on ongoing and DST-FIST, Level- C, 3.7241 Crores Sanctioned and acting as Co-PI.

🏆 Guided 38 M.Tech and 33 M.SC dissertations in the area of Applied Mathematics & Computing

🏆 Publications: SCI/SCIE: 34 (Q1/Q2: 18, Q3/Q4: 14), Scopus: 23,Others: 02 Total: 59

🏆 Outreach Programs Organised:5 (Funded by NBHM, DST, CSIR)

ARTICLES PUBLISHED IN JOURNALS AND WORKING AS REVIEWER

Tribology

Waves in Random and Complex Media

Computational Mathematics

Numerical Methods and Fluid Flow

Numerical Heat Transfer (Part A: Applications)

Finite Elements in Analysis and Design

Proceedings of Institute of Mechanical Engineering

International Journal for Heat and Mass Transfer

(Srinivasa Rao Pentyala)
Dated: 07 February, 2025.

CURRENTLY WORKING ON MODELS IN THE AREA OF

Numerical Methods   Convection in Heat Transfer
Scientific Computing with AI/ML

TECHNICAL SKILLS

Problem Solving   Algorithm Development
Competitive learning
Data Analysis and team work

PERSONAL SKILLS

Self Starter
Dedication,Determination,Devotion,Tenacity
Flexible& Adaptable   Leadership
Communication & Transform   Team Work

COMPUTER SKILLS

MATLAB,Maple, Fluent,Anysys, Tecplot, Mathematica
●●●○○
Python
Fortran, C, C++, Python, Java   ●●●○○

EDUCATION

PhD
📅 CGPA: 8.5 / 10.0   📍 2001

Indian Institute of Technology, Kanpur, India.

Masters
📅 72.3 %   📍 1994

National Institute of Technology, Warangal, Telangana, India.

Bachelors
📅 82.0 %   📍 1991

S.R & B.G.N.R Govt. Degree College, Khammam (Kakatiya University, Warangal), Telangana,India.