



Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
6 Programs Accredited by **NBA**
(CSE, ISE, ECE, EEE, MECH, CV)

Faculty Name	Dr. NAGARAJ C			
Academic Designation	PROFESSOR & HEAD			
Educational Qualification	M.Sc., Ph.D			
Experience in Teaching & Industry	<table border="1"><tr><td>23-Years</td><td>2-Months</td></tr></table>		23-Years	2-Months
23-Years	2-Months			
Date of Joining	01-08-2011			
Official Email ID	hodmaths@dsatm.edu.in			
Employee ID	180008			

Educational Details

FORMAL MODE OF EDUCATION				
Degree	Board/Institution	Mode of education	Year Of Passing	Percentage of Marks
Ph.D (Mathematics)	Bangalore University	Full-Time	2008	-
M.Sc (Mathematics)	Bangalore University	Full-Time	2001	74.9
B.Sc (PME)	Bangalore University	Full-Time	1999	59
PUC	Pre University College	Full-Time	1996	65
SSLC	Karnataka Secondary Education Examination Board	Full-Time	1994	83

Professional Experience

Description	Board/Institution	Experience
Lecturer(as part of Research Scholar)	UVCE, Bangalore	Sep.2002 - Jan 2007 (5 years 4 months)
Lecturer	AMC Engineering College, Bangalore	Feb.2007 - July 2008 (1 year 6 months)
Assistant Professor & HOD	T John Institute of Technology, Bangalore	Aug.2008 - July 2011 (3 years)
Professor & HOD	Dayananda Sagar Academy of Technology and Management	Aug.2011 till date

Publications

International & National Journals:

- Chiu-On Ng, Rudraiah, N., Nagaraj, C., and Nagaraj, H. N., “Electrohydrodynamic Dispersion of Macromolecular components In Nanostructured Biological Bearing”, *Journal of Energy, Heat and Mass Transfer*, Vol. 27, pp 39 – 64, 2005.
- Chiu-On Ng, Rudraiah, N., Nagaraj, C., and Nagaraj, H. N., “Dispersion Mechanism in Biomechanics of Artificial Synovial Joints in the presence of Electric Field”, in the **Proceedings of the International Symposium on “Recent Advances in Fluid Mechanics”**, pp 268-278, 2004.
- Chiu-On Ng, Rudraiah, N. and Nagaraj, C., “Dispersion Mechanism in Biomechanics of Artificial Synovial Joints in the presence of Electric Field”, in the **Proceedings of the International Conference on “Advances in Applied Mathematics (icaam-05)”**, pp 1-10, 2005.
- Chiu-On Ng, Rudraiah, N., Nagaraj.C and Nagaraj.H.N., “Electrohydrodynamic Dispersion of Macromolecular components In Biological Bearing”, *Journal of Energy, Heat and Mass Transfer*, Vol. 28, pp 261 – 280, 2006.
- Chiu-On Ng, Rudraiah, N. and Nagaraj.C, “Effect of artificial cartilage made up of smart material nanostructure on dispersion in poorly conducting macromolecular components in synovial joints”, *Key Engineering Materials*, Vol. 334-335, pp 1245-1248, 2007.
- Nagaraj.C, Dinesh P.A and Kalavathi G.K., “Combined Effects of Electric and Magnetic Field on Electro Hydrodynamic Dispersion of Macromolecular Components in Biological Bearing”, *Constructal Design, Design, Theory, Experiments and Simulation of Natural Phenomena and Industrial Processes involving Thermodynamics, Heat Transfer and Fluid Flow*, Defect and Diffusion Forum, ISSN: 1662 – 9507, Vol. 388, pp 361 – 377, 2018.
- Veena N, Dinesh P A, Nagaraj C, Dinesh Kumar S T, “Ohmic Heating Effect of viscoelastic dielectric liquid over a slanted stretching sheet”, *International Journal of Intelligent systems and applications in Engineering*, ISSN:2147-6799, 12(22s), 1991-2003.
- Nagaraj C, K Mahesh Dutt, G K Manjunath, P C Sharath, Shrishail B Sollapur, Bharath kumar B R, Babu kumar, D T Arunkumar, “Effect of multidirectional forging on grain structure and mechanical properties of hypereutecticAl-20%Si alloys with added refiners and modifiers”, *Canadian Metallurgical Quarterly*, <https://doi.org/10.1080/00084433.2024.2413245>

- G T Danappa, Nagaraj C, K Mahesh Dutt, M Math Mahantesh, K Rajesh, Saravana Bavan, "Enhancement of Material properties of AZ80 Mg Alloy processed by combined severe plastic deformation", *Journal of Bio-and Tribo-Corrosion* (2025) 11:15, <https://doi.org/10.1007/s40735-024-00935-0>

PATENTS:

- **APPLICATION NUMBER:** 412299-001

TITLE OF THE INVENTION: BLUETOOTH OPERATED TELESCOPIC WALKING STICK FOR VISUALLY CHALLENGED PEOPLE

FIELD OF INVENTION: Computer Science

YEAR OF PUBLICATION: 01/04/2024

- **APPLICATION NUMBER:** 413567-001

TITLE OF THE INVENTION: MOSQUITO TRAPPING DEVICE

FIELD OF INVENTION: Electronics

YEAR OF PUBLICATION: 15/04/2024

- **APPLICATION NUMBER:** 202441093402

TITLE OF THE INVENTION: SMART BLIND SPECTACLES: A COMPREHENSIVE ASSISTIVE TECHNOLOGY FOR ENHANCED
MOBILITY, SAFETY AND ACCESSIBILITY

FIELD OF INVENTION: Bio-medical Engineering

YEAR OF PUBLICATION: 29/11/2024

- **APPLICATION NUMBER:** 202441093404

TITLE OF THE INVENTION: NECK WEARABLE WITH SOUND ALERT FOR PREVENTING HARDWARE DISEASE IN CATTLE

FIELD OF INVENTION: Emergency Healthcare Technology

YEAR OF PUBLICATION: 29/11/2024

- **APPLICATION NUMBER:** 468897-001

TITLE OF THE INVENTION: MATERIALS DEFECTS DETECTING PORTABLE DEVICE

FIELD OF INVENTION: Mechanical Engineering and AI

YEAR OF PUBLICATION: 07/08/2025

Conference Attended

Capacity Building	International	National	Communication & Collaboration
Conference	4	3	Participation and paper presentation
Workshop		6	Participation
Symposium		6	Participation
FDP		3	Participation

Distinction

Attended the 37th Course of the International School of Quantum Electronics on “Atoms, Solids and Plasmas in Super-Intense Laser Fields”, held at Erice, Silicy, Italy from 5th -15th July, 2003.

Academic Activity

Teaching - Courses Taught:

For UG (B.E):

Ordinary and Partial Differential Equations
Vector Calculus
Integral Calculus
Linear Algebra
Laplace Transforms
Fourier Transforms
Fourier series
Numerical methods
Discrete Mathematics
Graph Theory

Contact Details

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