Dr. M. Chandra Sekhar Reddy, Ph.D. (IITM)
Professor
Chairman, Board of Studies (University)
Department of Mechanical Engineering
University College of Engineering (Autonomous)
Osmania University, Hyderabad, TS, India - 500007
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Education:

- Ph.D. (2015)   Indian Institute of Technology Madras, Chennai.

- M.Tech. (1995)   Mysore University, Mysore.

- B.Tech. (1992)   Sri Venkateshwara University, Tirupathi.

Research Interests:

➢ Vibrations

➢ Condition Monitoring

➢ Finite Element Techniques

Awards, Honours and Recognition:

❖ Secured All India rank 271 in GATE-1994 (Graduate Aptitude test in Engineering) conducted by IIT, Kharagpur.

International Visits:

▪ USA   -   Presented a Research paper in The Minerals, metals and materials Society, 2007, Orlando, Florida, USA.

RESEARCH PUBLICATIONS:

- International Journals   :   11

- National Journals   :   04

- International Conferences :   15

- National Conferences   :   06

- Total Number   :   36

Research Projects / Grants / Fellowships:

1. Title of the Project   "Development of Computer Aided System for Condition

   Monitoring of Mechanical Machines" – PI

   Funding Agency   All India Council for Technical Education (AICTE), New ,

   Delhi, Government of India.

   Time Period   2 Years

University Administration / Corporate Life:

- Director of Evaluation, Examination Cell, University College of Engineering, OU, Since Jul., 2019.

- Introduced new courses at UG and PG level

- Joint Director of Evaluation, Examination Cell, University College of Engineering, OU, for two years. Credit based system implemented to BE.

- Warden : General warden to Swarnamukhi Hostel (ECH-2) for six years.

Conferences / Workshops / Symposia Organised:

- Co-ordinator, National Conference on "Computational Methods in Mechanical Engineering (COMPUTIME)", September 16-17, 2005.

- Convener, National Conference on "Recent Advances in Computer aided Engineering (RACE)" 2006.

- Convener, Two day workshop on "Hydraulics and Pneumatic controls" 2009.

Teaching Strengths and Lab Development (Academic and Planning)

Developed, Upgraded and networked:

- Computer Laboratory Developed from scratch

- Networking of entire Department

Masters Thesis: Guided / Supervised

- M.E. Projects (PG)   : 91

- B.E. Projects (UG)   : 25

Extension, Professional Development Related Activities

- Selection Committee Member IICT (as Subject Expert)

- FFC member, JNTUH

Membership in Professional Organisations:

- Fellow   :   The Institution of Engineers (India)

- Life Member :   Indian Society for Technical Education (ISTE)

- Life Member :   Indian Society of Mechanical Engineers (ISME)

- Life Member :   Tribology Society of India (TSI)

- Life Member :   Indian Society of Theoretical and Applied Mathematics (ISTAM)

Employment History:

Present Employment:

1st December, 2015 to Till date   :   Professor of Mechanical Engineering, UCE(A), OU

8th August, 2007 to 30th November 2015 : Associate Professor of Mechanical Engineering, UCE(A), OU

8th August, 2002 to 7th August, 2007 :   Senior Assistant Professor of Mechanical Engineering, , UCE(A), OU

8th August, 1997 to 7th August, 2002 :   Assistant Professor of Mechanical Engineering, UCE(A), OU

Past Employment:

Organization	Designation	Period	
		From	To
CMERI, Durgapur	Scientist – B	21-07-1997	07-08-1997
Sherman International (P) Ltd.	Engineer (Technical Services)	01-06-1996	15-07-1997
BHEL (R&D), Hyd.	Project Assistant	27-06-1994	05-03-1995
Gold Star Remedies Ltd.	Project Engineer	01-07-1992	30-08-1993

Software Skills:

Microsoft Certified Professional.

Mechanical Engineering Software Packages:

- Solid works

- CREO (ProE)

- AutuCAD

- ANSYS

Languages   :   C, C++ and MatLab

Operating Systems   :   DOS, WINDOWS

Research Papers:

Sl. No.	Title	Journals	ISSN/ ISBN/ No.
1	Application of Artificial Neural networks for identification of unbalance and looseness in rotor bearing systems	IJASE	1727-2394
2	Detection and monitoring of coupling Misalignment in rotors using torque measurements	Measurement	0263-2241
3	Identification of crack in beam using Hilbert-huang transform	Science and Education Publising	2277-8442
4	Crack Detection for various loading condition in beam using Hilbert-huang transform	IOSR	2278-1684
5	New Approach to casting defects classification and optimization by MAGMA-SOFT	IJMET	0976-6340
6	Design and analysis of steam turbine rotor	IJMET	0976-6340
7.	Thermal stress analysis of a ball bearing by Finite Element Method	IJARET	0976-6480
8.	Identification of multiple crack in free-free beam using Hilbert-Huang transform	ETIME, OU	978-93-83635-55-9

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