

Biodata of Prof. A. Ramakrishna



Name and address: AVASARALA RAMAKRISHNA

E101, JEVAN VISAKHA APARTMENTS
M.M.T.C Colony
Seetammadhara
Visakhapatnam-530022
Andhra Pradesh, India

Official address: Former Professor & Head of The Department of Mechanical Engineering, A.U. Engineering college (A)
Visakhapatnam-530003

Email ramakrishna_a@yahoo.com
ramakrishnaavasarala@gmail.com

Contact numbers 0891-2705454 (home) 0891-2790084 ext 358
Mobile: 9440641164

Date and Place of birth 14-01-1954 Kakinada, Andhra Pradesh

Educational qualifications:

High school studies at Municipal High school, Gandhinagar, Kakinada.
Stood school first at SSLC in 1969 and 31 st rank at state level.

National merit scholarship holder throughout the student career.

B.E.(Mech) Government College of Engineering, Kakinada of Andhra
university (1975)

M.E(M.D) Andhra University with specialization in Machine Design
in1978.

Ph.D IIT,Kharagpur Mechanical Engineering (1992)
(Title of the thesis is 'finite element analysis of heat conduction and
thermal stresses in laminated composites')

Teaching Experience: 34 years 10 months (as on retirement day)

Joined in the teaching profession on 31march, 1979 at SIT, Tumkur,
Karnataka. (1 yr. and ten months)

Joined as faculty in Mechanical Engineering Department of A.U.
Engineering College on 18-12-80

Promoted as READER (Associate Professor under CAS in 1989
Professor of Mechanical Engineering under CAS on 18-12-2000.

Chairman, board of studies of Mechanical Engineering for two years.

Head of the Mechanical engineering Department from 1-5-2013 to 31-01-
2014.

Presently Head of the Mechanical engineering Department of GVP college
of UG & PG courses , technical campus from 14-03-2014.

Participation of Orientation/summer courses attended

1. 60 days Radiation safety engineer course at MERADO, Pune during
summer of 1984. Acquired safety engineer certificate from
BARC,Trombay in 1984
2. Workshop on utilization of KAMINI Reactor at IGCAR, Kalpakam
August-september'99 as a member of core group for proposed low
power nuclear reactor at Andhra University.

3. Summer course on Computer Aided design and Manufacture at PSG college of Technology, Coimbatore June 02-15 of 1985.
4. Advanced Mathematics based Engg. Problems and their solutions at SJC college of Engineering Mysore from 03-10-83 to 23-10-83.

Academic Administration (in different capacities)

Chairman, board of studies of Mechanical Engineering for two years.
Head of the Mechanical engineering Department from 1-5-2013 to 31-01-2014.

Chairman, board of examinations of Mechanical Engineering of Andhra University for two years

Chairman, departmental research committee in mechanical engineering of Andhra University for one year

Member/Chairman, departmental research committee in mechanical engineering of Andhra University from 1994 till retirement.

Member of Boards of studies of Mechanical Engineering and metallurgical Engineering of Andhra University for the last 20 years

Member of Boards of studies of Mechanical Engineering JNTU (combined) Hyderabad for years

Member of Boards of studies of Mechanical Engineering JNTU, Hyderabad for 3 years

Member of Boards of studies of Mechanical Engineering for Kakatiya university
Member of Boards of studies of Mechanical Engineering of GITAM (Autonomus) 3years.

Paper setter for more than 30 universities/ autonomous colleges.

Coordinator for B.E(Mech) correspondence course for the last 9 years.

Regional Coordinator, PGECET-2010.

In- charge of Automobile unit of Andhra University for six years.

Member of core group for proposed low power nuclear reactor at Andhra University since 1984.

Editorial and Executive member of 51st Congress of Indian Society of Theoretical and Applied Mechanics(ISTAM-2006) held at Andhra University 2006.

Coordinator for science and defense aspects workshop held during 95th Indian National Congress held at A.U, January 2008.

Served as In charge of major laboratories and workshops of Mechanical Engineering Department of Andhra University during the tenure as faculty member.

Organized so many workshops and conferences and key member for AIMTDR conference held at A.U, 2010.

Conducted classes for unemployed youth for technical skills in various trades of workshops under TEQIP phase-I

PUBLICATIONS:

Papers Published: about 70

Research Projects And Reports: 2

Books Published: four are under preparation

Ph.D./M. E Guidance

No. of students obtained Ph.D. degree:	5
No. of students obtained M. E degree:	40 (about)
No. of students submitted the thesis for the award	
Of Ph.D. degree and awaiting the results :	4
No. of students who are in final stage of: Submission of thesis	5
No. Of students working for Ph.D.:	6
No. Of students going to registered for Ph.D :	6

Membership in Academic Bodies.

Life member of Material research society of India (MRSI)

Life member of Indian Society for Technical Education(ISTE)

Life member of condition monitoring society of India (CMSI)

Life member of Indian Society of Theoretical and Applied Mechanics (ISTAM)

Life Member Visakha Music and Dance Academy

Former treasurer, Chayaa, Visakha Film Society.

Fellow of institution of Engineers of India(FIE),

Qualified Radiation safety Engineer of BARC, Trombay, Bombay.

Formerly Member of working group in Neutron radiography which is a part of non destructive society of India.

Presently secretary of mechanical engineering alumni association of Andhra University.

President, New Jeevan Visakha Apartmetn owners Association for 5 years.

Expert committee member of JNTU, Hyderabad, JNTU, Kakinada and JNTU, Anantapur

Expert member of for eight public service commissions including UPSC, APPSC .

Expert member for AICTE, New Delhi.

Adjudicator for more than 20 Ph.Ds for various universities.

Principal investigator of CSIR sponsored project on particulate composites.

Principal investigator AICTE sponsored project on development of Axial Fretage attachment to Fatigue testing unit

Wrote teaching material theory of machines, machine design, automobile and finite element analysis for B.E(correspondence course)

Delivered lectures on composites, design philosophy, automation, testing of materials and various topics at various Engineering colleges including MVGR, GMRIT, GAYATRI, ANITS and a host of colleges and also at NSTL.

Delivered a host of lectures at NSTL with a starting lecture on “Parametric Design on 08-11-1996 and many lectures on composites.

Areas of interest

Composite materials, concurrent engineering, various aspects of design and neural and fuzzy techniques.

Presently writing book on ‘advances in design’, planning to write books on automobile and engineering graphics.

General hobbies: counseling, extra curricular activities and preparation of student friendly computer based lectures

Projects undertaken

Development of an Axial Fretting Fatigue Testing Setups in Axial and Bending Loading Conditions-AICTE Newdelhi- Rs. 10 lakhs completed. One Ph.D under submission and the other under progress.

- Training Programme on Applications of Power Tools -Phase I (Carpentry) under Community services (TEQIP) during 6-7 March 2007.

- Training Programme on Applications of Power Tools -Phase II USE of sheet metal work under Community services (TEQIP) during May 2007.
- Training Programme on safety and maintenance of AUTO rickshaw drivers under Community services (TEQIP) during June 2007.
- Training Programme on maintenance of **sewing machines for ladies under community services(TEQIP) DURING AUGUST, 2007.**
- Organized community service programme for unemployed youth “Computer Numerical Control Machines and Robots ”, 6th – 7th August 2008, MED, AUCE (A).
- Organized community service programme for unemployed youth “Computer Numerical Control Programming and Robotics ”, 26th – 27th August 2008, MED, AUCE (A).
- Organized community service programme for Unorganized Sector “CIM & Robotics”, 3rd – 4th March 2009, MED, AUCE (A).

Guidance of Ph.D dissertations

S.No	NAME OF THE RESEARCH STUDENT	Title of the thesis	Year of submission	Year of award
1	B.S.R.Murty	Analysis of Thermal stresses in Fibre reinforced composites at Cryogenic temperatures using finite Element Method	2001	2004
2	M.Venugopala Rao	Process modeling for defect free casting and their heat treatment- A Concurrent Engineering Approach	2005	2006
3	S.Ramakrishna	Design and Aero acoustic analysis of Motor-fan for noise reduction by modification of blade and shroud configuration	2009	2010
4	Sanjaykumar	Studies on Weld bead geometry of Square butt joint with arc rotation in pulsed gas metal arc welding	2011	2012
5	D.SivaPrasad	Evaluation of Damping and Tribological Charecterstics of Rice husk Ash particulate Reinforced Metal matrix Composites	2011	2012
6	Rajesh Ghosh	Parametric study of Banana Fibre reinforced Vnyl easter resine composites	2012	
7	P. Srihari Reddy	Study of Dynamic Behavior of Coupled Human-vehicle Vibratory Models	2013	
8	L. Rashidhar	Development of advanced Aluminium-Illinite Nanocomposites using stri casting	2014	
9	K.SrinivassaRao	Comparative performance Evaluation, Combustion and Emission Charecterstics of Diesel Engine using Chicken fat Biodiesel	2014	
10	P. Bhaskara Rao	Fatigue studies on polymer based mat composites	2014	

