


Dr. KOONA RAMJI
PROFESSOR

**DEPT. of MECHANICAL ENGINEERING
ANDHRA UNIVERSITY COLLEGE OF ENGG. (A)
ANDHRA UNIVERSITY, VISAKHAPATNAM – 3**

Dr. K. Ramji working as a Professor in the department of Mechanical Engineering, College of Engineering (Autonomous), Andhra University. He obtained his B.E. (Mech.), M.E. (Machine Design) and M.Tech. (Nanotechnology) degrees from Andhra University, Visakhapatnam, India during 1991, 1993 and 2007 respectively. Obtained his Ph.D. programme from Indian Institute of Technology, Roorkee (India). His areas of specialization include spatial mechanisms, Robotics, FEM, Tire Mechanics and Vehicle dynamics.

Guided 82 M.E Theses and 30 Ph. D Dissertations related to Vehicle Dynamics and other fields and Published 237 papers and actively doing consultancy, research and project works. Organized 14 International conferences and 53 national conferences, seminars etc.. He delivered 162 guest lectures at different platforms and attended 68 short-term courses in National Level IITs and other institutions. He also participated in 162 Conferences, Symposiums and Workshops at National and International level and presented 123 papers in national, international journals, workshops, conferences and symposiums.

In his credit, Rank Holder in B.E & M.E and Gold Medalist in M.E. Awarded certificate of merit for the paper published in the Journal of Institution of Engineers (India), 2004 and also Awarded the Brij Mohan Lal Memorial Gold Medal Prize for the best research work done and paper published in the Journal of Institution of Engineers (India), 2005. At present Dr. Koona Ramji is one of the TEQIP Associate Nodal Officer for College of Engineering, Andhra University, Visakhapatnam.

Earlier Prof. K. Ramji is Recipient of

- “The Best Teacher Award” From the Government of Andhra Pradesh in 2010.**
- “The Best Engineer of the Year Award 2010” From Govt. of Andhra Pradesh & IE (I), in 2010.**
- “Dr Sarvepalli Radhakrishna Award” for the Best Academician of the year, 2007 from AU.**
- “The Best Researcher Award” From the Governor of Andhra Pradesh in 2006.**
- “Vignana Prathibha Purshkar Award” From AUCE (A), Andhra University, for the Year 2006.**
- Received nine “Gold Medals” for excellent performance in Academics, Research & Consultancy and best papers published in National and International Journal (During 2001 -2013).**

Dr. K. Ramji

Professor of Mechanical Engineering Department, AU College of Engineering (A)
Andhra University, Visakhapatnam – 530 003, AP, INDIA

Personal Information

Date of Birth : **20- 04-1968**
Qualification : **B.E (MECH.), M.E (MD), M.TECH (NT), Ph.D (IIT R)**
Specialization : **VEHICLE DYNAMICS, TYRE MECHANICS, FEM, CAD, MACHINE DESIGN, ROBOTICS, MECHANISMS, SIGNAL PROCESSING & CONDITION MONITORING, NANOTECHNOLOGY & NANO COMPOSITES**
Experience : 23 Years
Visited Countries : 06 (Japan – 2003, USA – 2006 & 2007, Turkey – 2007, Australia-2007, USA – 2013, Malaysia (2015) and Singapore (2015))

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Research Information/Countries Visited

Papers in Journals : 136 (International: 117 and National: 19)
Papers in Conferences : 131 (International: 89 and National: 42)
No. of Ph.D's Guided : 30 Completed (04 Submitted and 12 in Progress),
No. of M.E Thesis Guided: 82 (07 in Progress)
Number of Ph.D thesis adjudicated from other Institutions: 27

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Projects/Awards

Projects Completed : 20 (UGC, DST, DRDO Labs, BARC, NRB, MHRD etc.)
Projects going on : 09 (Worth of Seven Crores)
Awards Received : 21 (National and International)
Consultancy Offered : 19 (Worthy of Ninety Lacks for NSTL, HSL, GVMC etc.)

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FDPs like Conferences/Workshops/Seminars etc., Organised and Attended

National Conferences/Seminars/Workshops Organised : 53
International Conferences/Seminars/Workshops Organised : 14
National Conferences/Seminars/Workshops Attended : 61
International Conferences/Seminars/Workshops Attended : 96
Guest/Key Note/Invited Lectures delivered : 162
Courses attended : 68
Chairing the Session, Technical and Advisory Committee Member : 81

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Some of the Important Achievements**Awards Received**

- i. **“VIGNANA PRATHIBHA PURSHKAR AWARD”** for the Year 2006, for the name published in “Who’s Who in the World” 25th Silver Anniversary Edition and for organizing 51st ISTAM 2006 International Conference in Academics and Research.
- ii. **“DR. SARVEPALLI RADHAKRISHNAN AWARD FOR BEST ACADEMICIAN”** of the year 2007 of Andhra University – Awarded this certificate of merit in recognition of his commendable record of research and teaching.

- iii. **“BEST RESEARCHER AWARD”** of the year 2006 of Andhra University – Awarded this certificate of merit in recognition of his commendable record of research and development work in the entire University. Received award through Governor and Chancellor of Andhra University, AP at **75th Platinum jubilee convocation** held on 16-01-2008.
- iv. **“BEST TEACHER AWARD”** of the year 2010 of Andhra Pradesh and awarded by Govt. of Andhra Pradesh – Awarded this certificate of merit and Gold Medal in recognition of meritorious in service for research and teaching.
- v. **“BEST ENGINEER OF THE YEAR AWARD”** of the year 2010 of Andhra Pradesh and awarded by Govt. of Andhra Pradesh, Hyderabad and Institution of Engineers (I), AP State Center – Awarded this certificate of merit, Citation and Gold Medal in recognition of meritorious in service for the field of engineering.
- vi. **“AACHARYA DEVOBHAVA – LIFE TIME ACHIEVEMENT STATE AWARD - 2010”** for his excellent performance in the field of Teaching & Social Service, awarded by Mother Theresa Welfare Organisation, Visakhapatnam.

Academic Awards

- i. Got **10th Rank** out of 240 candidates for B.E. Mechanical Engineering with Distinction.
- ii. Got **1st Rank** out of 9 candidates for M.E. (Machine Design) and got **Gold Medal** for getting first rank of entire AU College of Engineering (A) ME (Full Time) and (Part Time) courses during the academic year 1991-1993.
- iii. Prof. **K.V. Appa Rao Memorial Prize** for being obtained maximum percentage of marks considering all specializations of M.E. including full-time and part-time courses of AU College of Engineering during academic years 1991-1993 batches.
- iv. Got **certificate of merit award** for publication of paper on ‘Vertical Dynamic Analysis of Three Wheeled Motor-Vehicles’, *Journal of Institute of engineers (India)*, Mech. Engg., Division, Vol.83, pp.40-51, 2002 for the papers published in the academic year 2002 – 2003.
- v. Got **Gold Medal Award of The Brij Mohan Lal Memorial Prize** for publication of paper on ‘Road roughness Measurements using PSD Approach’ *Journal of Institute of Engineers (India)*, Civil Engg. Division, Vol.85, November 2005 for the best paper published in the academic year 2004–2005.
- vi. **Vignana Prathibha Purshkar Award** for the Year 2006, for the name published in “Who’s Who in the World” 25th Silver Anniversary Edition and for organizing 51st ISTAM 2006 International Conference in Academics and Research.
- vii. Got **INAE Engineering Teacher Mentor Summer Fellowship** under the guidance of Dr. V. Bhujanga Rao, FNAE – CMD, NSTL, 2007.
- viii. Got **certificate of merit award** for Delivering expert talk on “Nano tubes and Composites” at Andhra University Research Forum, AUCE (A), VSKP on 26-11-2007.
- ix. Got **Gold Medal Award of The Railway Board's Prize:** Certificate of Award for publication of paper on ‘Dynamic behaviour of railway coach and bogie frame using finite element analysis’ Published in *Journal of Institute of Engineers (India)*, Mech. Engg., Division, Vol. 87, pp: 7-17, **2007**.
- x. **Visiting Fellowship:** “Advances in Nano Science and Nano Technology: in the Department of Electronic Materials Engineering, Research School of Physical Sciences and Engineering, The Australian National University, Canberra”- Under the guidance of **Professor Chennupati Jagadish**, FAA, FTSE, FIEEE, FAPS,

- FOSA, FInstP, FIoN, FAIP, FSPIE, FECS, FIET Federation Fellow, Professor and Head of Semiconductor Optoelectronics and Nanotechnology Group.
- xi. **Visited Countries:** 04 (Japan – 2003, USA – 2006 & 2007, Turkey – 2007 and Australia - 2007).
 - xii. Elected as **Vice President** for Indian Society of Theoretical and Applied Mechanics (ISTAM) for the years 2007 and 2008.
 - xiii. Elected as **Internal Quality Auditor** of Andhra University for certification of ISO 9001-2000 in the year 2006 and Elected as **Joint Secretary** of Indian Institute of Metals, for the year 2007-08.
 - xiv. **Review member** International Journal of Numerical Analysis, Industrial and Applied Mathematics.
 - xv. **Life member** in 21 National and International Professional bodies and societies.
 - xvi. **Organized ISTAM 2006, MSMS 2008** International Conferences, Delivered 33 Key/Invited lectures at different platforms and chaired 18 technical sessions.
 - xvii. Attended 30 short term courses and 66 conferences, workshops and Symposia's at national and International level and presented Technical Papers.
 - xviii. Served in Various Administrative positions like Asst. Principal, Associate Nodal Officer TEQIP, Warden, Member in Various committees like NBA, NAAC & AICTE accreditations, IIT Report Preparations of AUCE(A) and attended MHRD - IIT Review meeting at New Delhi, Board of Studies Member for KLCE (A), Convocation Committee Member, Observer for various competitive examinations like EAMCET, BCAT, MCA, Team member of Squad for AU exams and associated in admission work of UG, PG and Research programmes, NBA, UPSC and APPSC Expert committee member, PSSUs Board Expert Committee Member.
 - xix. In-Charge for Mechanical lab, Computers lab, Department Library and Metrology lab & Organised various community service programmes
 - xx. Inducted biography into **“International Who's Who in Science and Engineering”** 9th edition (2006-2007 and 2007-08) of Who's Who in Science and Engineering for accomplishments in Science and Engineering by Who's Who historical society, USA, 2006.
 - xxi. Inducted biography into **“International Who's Who in the world”** 25th Silver Anniversary Edition (2007-2008 and 2008-09) of Who's Who in the world for accomplishments in all the fields of Science and Engineering by Who's Who historical society, USA, 2007.
 - xxii. Elected as **Treasurer** for Andhra University college of Engineering (A) Mechanical Engineering Department Alumni Association.
 - xxiii. **“BEST PAPER AWARD”** on Engineering acoustics and Vibration awarded to **Ramji, K.** for the paper titled “Study of dynamic behaviour of vehicle system by incorporating tuned mass damper with wire rope spring”, Presented and Published in National symposium on Acoustics (NSA – 2008), 23-24, December 2008, NSTL (DRDO) Visakhapatnam.
 - xxiv. Got **certificate of merit award** for Delivering expert talk on **“Overview of MEMS/NEMS Devices & Smart and Functionally Graded Materials and their Applications & Case Studies”** at Andhra University Research Forum, AUCE (A), VSKP on 17-08-2009.
 - xxv. **“THE CORPS OF ELECTRICAL AND MECHANICAL ENGINEERS PRIZE”** This prize was instituted by the Directorate of Electrical and Mechanical Engineering, Army Headquarters, New Delhi. This prize is to be awarded with **“Gold Medal and Merit Certificate”** for the best paper contributed to the Institution's Journal and of relevance to the Army in the field of mechanical, automotive, production,

electronics or industrial engineering. Selected paper for the year 2011-2012 published papers in Mechanical and Electrical Engineering Journals (2011-2012): **“Lateral Dynamic Behavior of Three Wheeled Motor Vehicles (Vikram Front Engine)”** published in the Mechanical Engineering Journal of IE(I), Vol.92, July 2011. The award is presented during 27th Indian Engineering Congress Celebrations, 13th - 16th Dec. 2012, Vigyan Bhavan, New Delhi and Award Given by Honorable President of India, Shri Pranab Mukherjee.

- xxvi. The **“N K Iyengar Memorial Prize”** award is presented during 31st Indian Engineering Congress held at Hotel J W Marriott, Kolkata 700105, on December 16, 2016 for the best paper contributed to the Institution's Journal titled **‘Experimental Investigations on Fatigue Damage and Residual Properties of Interacting Notched Woven E-Glass/Epoxy Composite’** (published in the Series ‘C’ Journal of IEI, Vol. 96, Issue 4) has been selected for the subject prize.