



Prof. P. R. Bhanu Murthy

M. Tech., Ph. D.

Director, Academic Audit

**Jawaharlal Nehru Technological University Anantapur
Anantapuram – 515 002, Andhra Pradesh, India**

Bio-data

Name : **Prof. P. R. Bhanu Murthy**

Parents : Sri P. Ramachandra Rao (Late)
Smt. P. Sarojini Devi (Late)

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Nationality : Indian

Religion : Hindu

Date of Birth & Place of Birth : 06/06/1962
Anantapur
Anantapur District
Andhra Pradesh, India

Educational Qualifications:

S. No.	Qualification	University/Institution	Specialization	Year of award
1.	Ph. D	JNT University, Hyderabad	Transportation Engineering	2000
2.	M.Tech	Regional Engineering College, Warangal	Transportation Engineering	1987
3.	B.Tech	Sri Venkateswara University, Tirupati	Civil Engineering	1983

Details of Doctoral thesis:

Area : Transportation Engineering
Title : Operational Analysis of Signalized Intersections Under Mixed Traffic Conditions
Supervisor : Prof. S. Nagabhushana Rao
Former Professor, Centre for Transportation Engineering
JNT University, Hyderabad

Year of award of Ph.D. : 2000

Professional Experience :

S.No.	Institution/Organization	Position held	Duration
1	JNTU College of Engg. Anantapur	Professor of Civil Engg	2006 – Till date
2	Centre for Transportation Engineering JNTU, Hyderabad	Associate Professor Dept of Civil Engg	1999-2006
3	Centre for Transportation Engineering JNTU, Hyderabad	Assistant Professor Dept of Civil Engg	1989-1999

Administrative Experience :

S.No.	Administrative Post held	Duration
1.	Director, Academic Audit Jawaharlal Nehru Technological University Anantapur	2018- Till date
2.	Head, Department of Civil Engineering, JNTUA College of Engineering , Anantapur	2015-2018

3.	Director of Evaluation Jawaharlal Nehru Technological University Anantapur	2013–2015
4.	Director, Foreign Affairs and Alumni Matters Jawaharlal Nehru Technological University Anantapur	2012-2013
6.	Director of Admissions Jawaharlal Nehru Technological University Anantapur	2011–2012
7.	Officer on Special Duty (OSD), Examination Section Jawaharlal Nehru Technological University Anantapur	2009-2011
8.	Professor Coordinator, Academic Section JNTUA College of Engineering, Anantapur	2006-2009

Achievements as Head of the Department :

- ❖ Department was approved by NBA in 2017
- ❖ Modernization of Highway Engineering Lab (MODROBS by MHRD, New Delhi)
- ❖ Revision of UG & PG syllabi as Chairman – BoS

Teaching Experience: 30 years in Teaching UG & PG Courses

Subjects Taught:

Undergraduate courses	Post graduate courses
<ul style="list-style-type: none"> ❖ Highway Engineering ❖ Railway Engineering ❖ Airport Engineering ❖ Urban Transportation Planning 	<ul style="list-style-type: none"> ❖ Transportation System Management ❖ Urban Transportation Planning ❖ Traffic Engineering ❖ Traffic Analysis ❖ Highway Infrastructure Design

Consultancy Experience:

- 1. Project Coordinator, Comprehensive Traffic Management Study for Cyberabad Area,** Sponsored by the Cyberabad Traffic Police, Government of Andhra Pradesh. **(Rs.11.25 Lakhs)**
- 2. Project Coordinator, Up gradation of KSRTC Bus Terminals in Karnataka,** Sponsored by the Karnataka State Road Transport Corporation, Government of Karnataka. **(Rs.11.00 Lakhs)**

3. **Project Coordinator, Development of Junction Improvement Plans in MCH Area**, Sponsored by Municipal Corporation of Hyderabad, Government of Andhra Pradesh. **(Rs.6.00 Lakhs)**
4. **Project Coordinator, Comprehensive Parking Plan Development for Hyderabad Begumpet Airport**, Sponsored by Airports Authority of India (AAI), Government of India. **(Rs.0.75 Lakhs)**.
5. **Project Coordinator, Feasibility Study for Pedestrian Foot Over Bridge at Abids**, Sponsored by Municipal Corporation of Hyderabad, Government of Andhra Pradesh. **(Rs.0.30 Lakhs)**
6. Member, JNTU Study Team for **Safety Certification of Ropeway at Srisailam**, work done for AP Tourism Development Corporation **(Rs.2.0Lakhs)**
7. Coordinated the Quality Control of BT Roads in MCH Area during 2000 – 2003 **(Rs. 12.00 Lakhs)**

Research Experience and Guidance provided:

Total research experience : 30 years

- ❖ Guided 40+ Undergraduate projects and 100+ Postgraduate theses
- ❖ Presently supervising Research scholars for their Ph. D.

Number of Research publications:

International Journals : 09
 National Journals : 03
 International Conferences : 13
 National Conferences : 16

Research guidance Provided

Name of the Research Scholar	Title of the Thesis	Year of award
Details of Ph. D. Degrees Awarded - Supervisor		
Dr. R. Ramesh Reddy Vasavi College of Engineering, Hyderabad	A Study of Impedance to Traffic Flow Due to Kerb Side Bus Stop Using Multiple Regression and Artificial Neural Networks	2010

Dr. G. Srinivasa Reddy KSRM College of Engineering Kadapa	<u>Performance Evaluation of Signalized Urban Intersection Under Mixed Traffic</u>	2013
Details of Ph. D. Degrees Awarded – Co Supervisor		
Dr. Rajesh Gopinath Acharya Institute of Technology Bangalore	<u>Parametric Study of Heat Island Effect Due to Urban Sprawl in Bangalore</u>	2015
Dr. A. Vijay KS School of Engineering and Management Bangalore	<u>Experimental Studies and Numerical Validation of Bearing Capacity of Skirted and Non-skirted Footings Resting Over Soil</u>	2018

Professional Recognition and Distinctions:

- Member, Technical Advisory Committee(TAC) for Hyderabad Metropolitan Development Authority (HMDA) to evaluate the proposals for Comprehensive Transportation Study (CTS) for Hyderabad Metropolitan Area and to advise during the course of CTS
- Member, Technical Advisory Committee(TAC) for Capital Region Development Authority of AP (APCRDA) to evaluate the proposals for Comprehensive Transportation Study (CTS) for APCRDA and to advise during the course of CTS
- Member (Technical) in the High Level committee formed by the Government of AP as per the Directive of the High Court of Andhra Pradesh for the Preparation of action Plan for Twin Cities.
- Member in the High Level committee formed by the Government of AP for the Preparation of Comprehensive Transportation Strategy for Hyderabad Metropolitan

Area . The Committee is headed by the Secretary, Municipal Administration and Urban Development, GoAP

- Technical Advisor on Traffic to Government of AP for its program, Andhra Pradesh Urban Services for Poor (APUSP) funded by DFID, UK.
- Member, State Level Technical Committee for Road Safety formed by the Government of AP for the Roads & Buildings department. The Technical Committee is headed by the Deputy Chief Engineer (R & B) and consists of SEs of different Wings of R & B and other Experts. The Committee is responsible for formulating Standards and Specifications for Road Safety interventions for R & B roads throughout the AP State.
- Member (Traffic Advisor), District Level Coordination Committee of Ranga Reddy District headed by the Collector, Ranga Reddy District. The Coordination Committee consists of Joint Collector, Municipal Commissioners of all Municipalities under Ranga Reddy District, District Level Officers of all the Departments like Transco, Revenue, Police, R & B, HMWSSB etc.
- Invited as an Expert by the Project Director & Special Collector, Outer Ring Road, on behalf of GoAP to participate in the Work shop on Outer Ring Road – Greater Hyderabad Growth Corridor to deliberate and give suggestions. The Workshop was held on 22nd June 2005 at Center for Good Governance, Hyderabad and had eminent Professionals from National Level as Special Invitees and the officials from the State
- Invited as an Expert to the First International Workshop on Hyderabad as Mega City of Tomorrow held during 1st to 8th March, 2006, at Hyderabad. The Work shop is organised under the aegis of the Federal Ministry of Education and Research,

Germany and Professional from the Germany and United states took Part in it apart from the GoAP officials.

- Invited by the Additional Commissioner (Traffic & Transportation), MCH on behalf of Andhra Pradesh Urban Finance and Infrastructure Development Corporation Limited, GoAP to participate in a Work shop on Transport and Traffic Sector Plan for Hyderabad City held on 7th February, 2006 at Administrative Staff College of India, Hyderabad. The workshop is organized to discuss the issue related to preparation of Traffic and Transportation Plans and Proposals to be submitted to Government of India for funding under Jawaharlal Nehru National Urban Renewal Mission (JNNURM).
- Invited to Participate and make a Presentation in a Work Shop on Challenges Faced by APSRTC and Remedies on 17th, July, 2005 at Administrative Staff College of India, Hyderabad. The Work shop is organized on behalf of Government of AP as per the High Court Directive and was attended by the three members ministerial sub-committee formed by GoAP
- Invited by the Commissioner, MCH to Participate in the First International Work shop on Research for Sustainable Development of the Mega Cities of tomorrow held on 12th – 14th, December, 2005 at Hotel Taj Residency, Hyderabad. The work shop is organized by Hyderabad Municipal Corporation in collaboration with European Institute for Energy Research. The Workshop was attended by a German Consortium of Ten Well Known Institutes and Indian Researchers.
- Invited as an Expert to the International Round Table on Sustainable Transportation and Land Use Planning Strategies for the future held on August 7th, 2003 at Administrative Staff College of India, Hyderabad. The Round Table is organised

under the aegis of the USAID/ India Mission and Professional from the Harvard University took part in it apart from the GoAP officials.

- Technical Advisor on Traffic and Transportation related matters to Government agencies like Hyderabad Urban Development Authority, Municipal Corporation of Hyderabad, Hyderabad Traffic Police, Cyberabad Traffic Police and Transport Department
- Delivered more than 75 invited lectures in various organizations like Central Institute of Road Transport (CIRT), Pune; National Police Academy, Hyderabad; Andhra Pradesh Police Academy, Hyderabad; National Academy of Construction, Hyderabad; and Engineering Staff College of India, Hyderabad.

LIST OF PUBLICATIONS

International Journals:

1. Township Guidelines to Curb Urban Heat Island Effect Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR Journal of the Indian Institute of Architects, Vol. 80, Issue 12, December,2015, pp. 47-49.
2. An Analytical and Practically Feasible improvisation over representation of Sky-View-Factor Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR American International Journal of Research in Formal, Applied & Natural Sciences, Vol. 6, Issue 2, March-May, 2014, pp. 147-150.
3. Influence of Bangalore's Canyon Geometry On The Intra-Urban Ambient Air Temperature Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR Scientific Herald of the Voronezh State University of Architecture and Civil Engineering. Construction and Architecture ,Russia, Vol. 23, Issue No. 3, July 2014, pp. 40-50,
4. "Relative Magnitude Analysis (R.M.A.) and its Comparison over other Computational Approaches" Gopinath Rajesh; Akella Vijayalakshmi;

- Bhanumurthy, PR and Reddy, PSK International Journal of Mathematical Sciences and Engineering Applications, Vol 6 (1), 2012, pp.381-390.
5. Comparison studies in Land-cover Mapping Analysis - A Case Study Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR International Journal of Emerging Technologies in Computational and Applied Sciences, Vol. 8, Issue 6, March - May, 2014, pp. 499-503
 6. Distinguishing between Global Warming and Urban Warming for Bangalore with the aid of Statistical Analysis Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR American International Journal of Research in Science, Technology, Engineering & Mathematics, Vol. 6, Issue 1, March-May, 2014, pp. 57-60
 7. Effect of Public Transportation Policies on Environment- A Case Study of Hyderabad Metropolitan Area K. Bhava Narayana and Dr. P.R.Bhanu Murthy Research Journal of Engineering and Technology, Vol I, April-June,2008
 8. Analysis of Traffic Impedance Due to Kerb Side Bus Stop on Traffic Stream Speed Ramesh Reddy.R, Dr. P.R.Bhanu Murthy and Dr.Srinivasulu.S Research Journal of Engineering and Technology, Vol II, October-December ,2009
 9. Effect of Highly Maneuverable Vehicle Group on Saturation Flow Rate at Signalized Urban intersections under Mixed Traffic Conditions Dr. P.R.Bhanu Murthy and Sreenivasa Reddy.G Research Journal of Engineering and Technology, Vol II, October-December ,2009

National Journals:

1. Township Guidelines to Curb Urban Heat Island Effect Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR Journal of the Indian Institute of Architects, Vol. 80, Issue 12, December,2015, pp. 47-49.
2. Simulation Of An Uncontrolled Urban Intersection With Pedestrian Crossings Prof. S. Ragahvachari, K.M. Badri Nath and P.R. Bhanu Murthy Indian Roads Congress Highway Research Bulletin No. 48, 1993.

3. Quantification of Impedance to Traffic Flow at Kerb Side Bus Stops by Artificial Neural Networks R. Ramesh Reddy, Dr.P.R.Bhanu Murthy and Dr. S.Srinivasulu Technology Spectrum, JNTU, Hyderabad Vol.2, March, 2008

INTERNATIONAL CONFERENCES

1. Influence Of Land-Use Pattern On Temporal Climatic Variations Mapping Bangalore City, India Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR 5th International Congress of Environmental Research, University Malaysia, Terengganu, Malaysia, 22-24,November, 2012
2. Urbanization of Bangalore & Its Impact On Water-Bodies Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR 11th Asian Urbanization Conference, Osmania University, Hyderabad, December, 10-13,2011
3. Issues and Problems of Traffic Management and Control in a Multimodal Environment – A Case Study of Hyderabad Dr. P.R.Bhanu Murthy World Conference on Transport Research held in University of California, Berkeley, June 24th – 28th,2007
4. Human Factors In The Design Of Highways For Improving Road Safety Dr. P.R. Bhanu Murthy International Conference on Disaster Management: Infrastructure and Control Systems, National Academy of Construction, Hyderabad , November, 10-12,2003.
5. Assessment Of Vehicular Emissions From Enhanced Traffic Growth – A Case Study Of Proposed Project Activities At Buddha Poornima Project Area, Hussain Sagar, Hyderabad T.Vijaya Lakshmi, Dr. P.R.Bhanu Murthy and Prof. Y. Anjaneyulu International Conference on Industrial Pollution and Control Technologies (ICIPACT 2001) , Organised by the Centre for Environment, JNTU, Hyderabad , December, 7 – 10 ,2001.
6. Simulation Modelling Of Delays And Queues At Signalised Urban Intersection
In

Mixed Traffic P.R.Bhanu Murthy Fifth International Conference on Computers in Urban Planning and Urban Management (CUPUM 97), Indian Institute of Technology, Mumbai, 1997. Proceedings Published by Narosa Publishing House, 1997.

7. Effective Indicators Of Pedestrian Responses In A Multi-Mode Traffic Environment. P.R. Bhanu Murthy, Md. Masood Ahmed Khan and D.Ramesh International Conference on Traffic Safety, New Delhi, January, 27-30,1991. Proceedings Published by Macmillan India Ltd., 1991.
8. Flow Speed Density Models For Pedestrian Traffic In Urban Areas P.R.Bhanu Murthy International Conference on Road Safety, Andhra University, July 24-27, 1997.
9. Occurrence Of Safe Crossing Gaps For Pedestrian Under Varied Traffic Conditions P.R.Bhanu Murthy and R.Ramesh Reddy. International Conference on Road Safety, Andhra University, July 24-27, 1997.

INTERNATIONAL WORKSHOPS

1. Transportation Planning for Hyderabad Metropolitan Area: Issues and Challenges Dr. P.R.Bhanu Murthy Indo-Germanic Workshop on “Integration of Sustainable Infrastructure in Spatial Urban Planning for Future Megacities in India” held in Karlsruhe, Germany Organised by European Institute for Energy Research and University of Karlsruhe, October, 7– 13, 2006.
2. Transportation Model for a Sustainable Hyderabad Dr. P. R .Bhanu Murthy Indo-Germanic Workshop on “Hyderabad as a Megacity of Tomorrow: Sustainable Urban Food and Health Security and Environmental Resource Management” held in Hyderabad, India, organized by Humboldt University, Germany during February, 19th-23rd, 2007.
3. Traffic Education and Training for Road Safety: Issues in the Indian Context Dr.P.R.Bhanu Murthy International Workshop on “Road Safety Education for Developed Countries” Organised by Institute of Road Traffic Education (IRTE)

and its Global Partners at India Habitat Centre, New Delhi, January, 11 - 13, 2007.

4. Improving Public Transport For Better Land Use And Cleaner Environment
Dr.S.Nagabhushana Rao, S.Padam and Dr. P.R.Bhanu Murthy International Workshop on “Transportation, Land Use and Environment” in Hyderabad, India, Jointly Organised by Harvard University, Centre for Good Governance, Government of AP and Administrative Staff College of India (ASCI) at Administrative Staff College of India (ASCI), Hyderabad, December, 2 – 4, 2002.

NATIONAL CONFERENCES

1. Comparison studies in Land-cover Mapping Analysis - A Case Study Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR National Conference on Challenges in Research & Technology in the coming decades, S.D.M. Institute of Technology, Dharmasthala, 27-28, Sept 2013
2. Global Warming and Wetlands: A Conjoint Analysis for Bangalore Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR 8TH All India People’s Technology Congress, Science City, Kolkata, February 11-12,2011
3. Combating Global Warming impacts at Regional level by mitigating Urban Heat Island effect. Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR 8TH All India People’s Technology Congress, Science City, Kolkata, February 11-12,2011
4. Analysis of Air temperature of Bangalore city as a function of Urban Modification Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR 5th Indian Environmental Congress, PAACET, Trivandrum, 22-23, March, 2010
Parametric Study of Heat Island Effect due to Urban Sprawl in Bangalore City Gopinath Rajesh; Akella Vijayalakshmi; Bhanumurthy, PR 25th National

Convention of Civil Engineers on “Climate Change Abatement” ,Hyderabad, 22-23, October, 2009

5. Adoptability of Intelligent Transportation Systems for Indian Urban Traffic Scenario: Issues and Problems Dr.P.R.Bhanu Murthy National Conference on Earthquake and Transportation Engineering(NCETE07), Organized by the Department of Civil Engineering, Sona College of Technology, Salem and The Institution of Engineers (India), Salem , March,22nd and 23rd, 2007.
6. Urban Transportation Problems: Issues To Be Answered Dr. P.R.Bhanu Murthy National Conference on Urban Transport and The Environment, Organized by the Department of Civil Engineering, KLES College of Engineering & Technology, Belgaum and The Institution of Engineers (India), Belgaum , June,5 - 7, 2003.
7. Speed Trends And Gap Acceptance Behavior Of Pedestrians Dr. P.R.Bhanu Murthy and A.V.Narasimha Rao National Conference on Neglected and Vulnerable Road User: Pedestrian, Organized by the Institute of Road Traffic Education, New Delhi, Sponsored by Ministry of Road Transport and Highways, Government of India, September, 28, 2001.
8. Systems Approach To Metropolitan Transportation Planning At Macro And Micro Levels P.R. Bhanu Murthy and Md. Masood Ahmed Khan Fourth National Conference on Systems Dynamics, S.V. University, Tirupati, December 14-16, 1990.
9. Simulation Of A Signalised Intersection To Study Delay And Queuing Behavior P.R.Bhanu Murthy and K.V. Adityam Third National Conference on Transportation System Studies(NCOTSS-93), Andhra University, Visakhapatnam, December 11-12, 1993
10. Gap Acceptance And Delay Analysis Of School Going Child Pedestrian At Uncontrolled Crossings P.R.Bhanu Murthy and Rafi Ahmed Third National Conference on Transportation System Studies(NCOTSS-93), Andhra University, Visakhapatnam, December 11-12, 1993

11. Headway Distribution And Occurrence Of Gaps In Constrained Mixed Traffic Conditions P.R.Bhanu Murthy National Conference on Trends and Techniques in Transportation, Centre for Transportation Engineering, R.E.C, Warangal, August 23-25, 1997. Proceedings Published by Allied Publishers Ltd, 1997.

NATIONAL SEMINARS

1. Safety in Urban Transportation, Dr. P. R. Bhanu Murthy, National Seminar on Urban Governance – Technology Thrust, organized by Engineering Staff College of India (ESCI), Hyderabad during 27th – 28th, October, 2007.
2. Road Design And Its Importance In Prevention Of Accidents, P.R. Bhanu Murthy, National Seminar on Road Accidents, Organised by the Association of Motor Vehicle Inspectors, Andhra Pradesh, Hyderabad, 11th March, 2000.
3. Environmental Pollution By Road Traffic Systems, P.R. Bhanu Murthy, National Seminar on New Energy Technologies, Osmania University, December 3-4, 1993.
4. A Study On Speeds Of Motorised 2/3 Vehicles In Urban Traffic In Relation To Volume Levels, P.R.Bhanu Murthy and R.Ramesh Reddy, National Seminar on Road Transportation: Issues and Strategies, Organized by Thapar Institute of Engineering and Technology, Patiala, October 23-24, 1998
5. A Study On Saturation Flow At Signalised Urban Intersection Based On Saturated Green Times, P.R.Bhanu Murthy, National Seminar on Road Transportation: Issues and Strategies, Organized by Thapar Institute of Engineering and Technology, Patiala, October 23-24, 1998

Declaration:

I hereby declare that the information furnished above is true to the best of knowledge

Dr. P. R. Bhanu Murthy

Date: 01-01-2019
Anantapur