

**Name** : **ADEPU RAMESH**

**Designation** : *Professor*

**Department** : *Civil Engineering.*

**Mail id** : [ramesh\\_a@vnrvijet.in](mailto:ramesh_a@vnrvijet.in)

**Experience** : **Teaching:** 19 yrs. **Research:** **Industry:** 1yr



**1. Educational / Technical qualifications:**

S. No	Level (UG / PG / PhD)	Year of passing	Specialization
1.	Ph.D. in Civil Engineering	2015	Transportation Engineering
2.	M.Tech.	2005	Transportation Engineering
3.	B.E.	2002	Civil Engineering

**2. Teaching and Learning:**

**2.1 Teaching Interests:** Transportation Engineering, Highway Engineering, Surveying, Estimation Quantity Survey & Valuation, Ground Improvement Techniques, Pavement Analysis & Design, Highway Project Formulation & Economics, Airport Planning & Design.

**2.2 Novel Teaching & Learning Techniques adopted:**

Tasked-based, problem-solving projects Active and participative study and learning study

**2.3 Involvement in curriculum updating / Design:** Framed Syllabus for II, III, IV B.Tech Civil Engineering stream (Surveying, Transportation Engineering, Pavement Analysis and Design, Traffic Engineering etc.,)

Framed Syllabus for M. Tech Highway Engineering - R22 Regulations

*Technical Contribution*

- Experiments using Brookfield Viscometer for estimation of mixing temperature of bituminous mixes.
- Development of Repeated Load Test Set-up Instrument
- Experiments on RTFO for determination of short term ageing
- Development of Wheel Rutting equipment for bituminous mixes
- Development of Light Low Cost / Light Weight Deflectometer for Structural Evaluation of Pavement
- Development of SARA fractions test setup for binder composition
- Developed experimental set-up for fracture properties using Semi-circular bending

test on bituminous mixes.

- h) Completed NPTEL course on Mechanical Characterization of Bituminous Materials
- i) Developed experimental set-up for fracture properties using Semi-circular bending test on cement concrete mixes

### 3. Co-curricular and Extra-Curricular Activities

3.1 *Interests and Hobbies: Reading Books*

3.2 *CCA/ECA Organized :*

3.3 *CCA/ECA participated:* College Technical fest & cultural activities

3.4 *Counseling and Mentoring Activity:* B.Tech. Civil Engineering Students.

3.5 Committees involved in

*Department Level:*

In – Charge for Industrial Training Tours & Visits, member NBA, NAAC, DAC, DDC, Research & Consultancy, Coordinator – TEQIP – II (Dept. Level) M.Tech Coordinator (Highway Engineering), GHMC TPQC

Coordinator: NHAJ internship for UG and PG students.

*Institute Level:*

**Conference / Workshop / Seminar / Guest Lectures**

3.6 *Conducted:*

- a) Organized National Level student paper contest ‘**CIVILSIUM**’ on 28<sup>th</sup> January 2005 at KLCE
- b) Organized National Level student paper contest ‘**TECHNOVISION**’ on 27<sup>th</sup> January 2006 at KLCE
- c) Organized 2- day National Workshop on “**Recent Issues & Developments in Pavement Engineering**” (**RIDPAVE**) from 27<sup>th</sup> – 28<sup>th</sup> August 2010
- d) Organized a 2-day National Workshop on “**Advance Surveying Techniques & Mapping Using Total Station: Hands on Practice**” Under TEQIP - II from 18<sup>th</sup> – 19<sup>th</sup>, January 2013
- e) Organized a 3-day National Workshop on “**Tutelage On Traffic Engineering & Transportation Planning Using VISSIM & VISUM**” Under TEQIP - II from 20<sup>th</sup> – 22<sup>nd</sup> May 2013
- f) Conducted two certificate course on “**Advanced Training in Surveying Practices using Total Station**” from 24.02.2014 – 24.03.2014 & 18.08.2014 – 27.09.2014
- g) Conducted three certificate course on “**Advanced Training in Surveying Practices using Total Station**” during the A.Y. 2015 – 16

- h) Organized a 3-day National Workshop on “*Urban Traffic And Transportation Planning Perspective For Smart Cities*” Under TEQIP – II during 20<sup>th</sup> – 22<sup>nd</sup> January 2016
- i) *Organized AICTE One-week National Workshop on “Traffic and Transportation Planning for Smart Cities” during 20 – 25 November 2017.*
- j) *Organized two day national conference on “Transportation Research Efforts for Ecological Sustainability” during 28th - 29th September 2018*
- k) *Organized Online one-week short term training programme on “Emerging Tools for Design and analysis of Sustainable roads” (ETDASR 2020)”, July, August and December 2020 for three series.*

### 3.7 Attended:

- a) Participated in Short Course on “**Teaching Methodology**” conducted by National Institute of Teacher Training & Research, Chennai Government of India, Ministry of Human Resource Development as part of Quality Improvement Programme held on 16th May to 21<sup>st</sup> May 2006.
- b) Attended a short course on “**Teacher Training Programme**” conducted by KL college of Engineering from 31st Jan to 2nd February 2005.
- c) Attended, a QIP Programme on “**Pavement and Traffic Management**” organized by Department of civil engineering, IIT Kanpur.
- d) Attended a two-day workshop on “**Traffic Management in Urban Areas**” at Vasavi College of Engineering, Hyderabad.
- e) **High Impact Teaching Skills**” Dale Carnegie Training & Wipro Mission 10X 15 – 16<sup>th</sup> December 2008
- f) Attended Short Term Training programme on “**Orientation for Teachers**” from **27<sup>th</sup> May – 12<sup>th</sup> June 2008**
- g) Attended Short Term Course on “**Pavement Materials, Design and Evaluation**” from April 3 – 6, 2009 at IIT Kharagpur
- h) Attended Indo US Workshop on “**Recent Advances in Highway & Airport Pavement Engineering**” in association with **IIT Kharagpur, Worcester Polytechnic Institute, USA and The University of Texas EI Paso, USA** at IIT Madras from August 7 – 8<sup>th</sup> 2009

- i) Attended Short Term Training Programme on **Discrete Choice Modeling** from December 21 – 25, 2009 at SV NIT Surat.
- j) Attended QIP Short Term Course on **“Innovations in Traffic Flow Modeling” - CED** at IIT Bombay from July 05 – 09, 2010
- k) Attended a Short Term Course on **“Design & Rehabilitation Of Pavements”** at IIT Kharagpur from 19<sup>th</sup> – 21<sup>st</sup> November 2011
- l) Attended a Short Term Course on **“Advances in Flexible Pavement Design”** at NIT Warangal from 15<sup>th</sup> – 17<sup>th</sup> March 2012.
- m) Attended National Work Shop on Transportation Infrastructure Needs & Challenges in India at OU, Hyd from 11 – 12<sup>th</sup> October 2012.
- n) Attended 5 days training programme on **“Capacity Building to Strengthen Management”** for TEQIP-II Institutions at Administrative Staff College of India (ASCI) from 30<sup>th</sup> September 2013 to 4<sup>th</sup> October, 2013.
- o) Attended five day Short Term Training Programme on **“Road Traffic Engineering Principles and Applications”** at NIT Calicut from 01.12.2014 – 05.12.2014
- p) Attended two - week workshop on ISTE STTP on Introduction to structural Engineering conducted by IIT Kharagpur from 30.11.2015 – 09.11.2016
- q) Attended two – week faculty development program on Computer Oriented Applications in Civil Engineering organized by CED VNRVJIET from 16.05.2016 – 28.05.2016
- r) *Participated in a two day national conference on **“Transportation Research Efforts for Ecological Sustainability”** during 28th - 29th September 2018.*
- s) *Attended two day regional Workshop on Quality control – New Materials, Techniques, Machinery in Road Sector during 26- 27<sup>th</sup> July 2019.*
- t) *Attended online FPD **“AICTE Sponsored - Two Week Online Faculty Development Program on Advanced Computing in Civil Engineering (ACCE 2020)” Series 1: Advanced Computational tools in Structural Modelling and Analysis & Transportation and Traffic systems (16-11-2020 to 28-11-2020)***
- u) *Session chair at 2<sup>nd</sup> International Conference on Emerging Trends in Engineering (ICETE) April 28-30, 2023 University College of Engineering, Osmania University, Hyd.*

#### 4. Academic Contribution and Research & Consultancy

##### 4.1 Invited Lectures:

*Delivered Guest Lectures at various organization* (National Academy of Constructions, Irrigation & CAD Dept at WALAMTARI, Andhra Pradesh Academy of Rural development for Panchayat Raj Engineers, Civil Transportation Engineering Division, Engineering Staff College of India (ESCI), Private Engineering college) STTP CED, VNR VJIET

##### 4.2 Articles / Chapters published in Books –

**Ramesh A**, Nageshwar Rao Ch and Kumar M (2020) Experimental Study on Geocell and of Fibre Reinforced Soil Sub-grade Under Static and Repetitive Load in *Lecture Notes in Civil Engineering Geo-technics for Transportation Infrastructure Vol. 2, 139- 150*

Narendra Kumar P, **Ramesh A**, Durga Prasad R(2020) A Study on Plastic Cell Filled Concrete Pavement with Partial Replacement of Recycled Aggregate for Low Volume Road *Lecture notes Civil Engineering, Advances in Sustainable Construction Materials: (ASCM 2019), Vol. 68, 223*

Sai bharadwaj D and **Ramesh A**, (2020) An Experimental Study on Strength Development in Concrete by Incorporating Rice Husk Ash as Replacement to Cement with Recycled Aggregate for Low Volume Roads *Lecture Notes in Civil Engineering, Recent Trends In Civil Engineering Vol. 77*

Raj Gunde, **Ramesh Adepu**, Pranavi Rachakonda, Nageshwar Rao Ch, (2022) *Laboratory evaluation of an indigenous developed light weight deflectometer as a quality control tool for pavement construction, Mater. Today Proc. 52*

##### 4.3 Books published as single author or as editor –

##### 4.4 Projects Guided

UG : 1 (A.Y. 2022 - 23)

PG : 3 (A.Y. 2022- 23)

##### 4.5 Research Interests: Pavement Material Characterization, Traffic Modeling & Traffic Safety

##### 4.6 PhD students: NIL

#### 4.7 Papers published in reviewed Journals

##### Journals

- 1) **A. Ramesh**, V Venkata Ramayya A Mamatha, V. Vinayaka Ram (2023), Fracture studies on basalt fiber reinforced asphalt mixtures with reclaimed asphalt pavement derived aggregates and warm mix additives, *J. Construction and Building Materials* 386, 131548(**SCI, Scopus**)
- 2) Aditya Mantripragada, **Ramesh Adepu**, Venkat Ramayya Varanasi, Harinder Devavath(2023) Assessment and Prioritization of highway stretch deploying functional and structural characteristics, *Jordan Journal of Civil Engineering* 17 (3) (**Scopus**)
- 3) R.G. Sandeep, **A. Ramesh**, V Venkata Ramayya (2023,) Effect of Nano-Modified Binder on Fracture Properties of Warm Mix Asphalt Containing RAP, *International Journal of Pavement Research and Technology*, 16, 319–332, (**Scopus**)
- 4) **A. Ramesh**, V Venkata Ramayya Gottam Sandeep Reddy, V. Vinayaka Ram (2022), Investigations on fracture response of warm mix asphalt mixtures with Nano glass fibres and partially replaced RAP material, *J. Construction and Building Materials* 317 (2022) 126121(**SCI, Scopus**)
- 5) G. Sandeep Reddy, **A. Ramesh**, Penki Ramu, (2021), Evaluation of Bituminous Mix Characteristics Prepared with Laboratory Developed High Modulus Asphalt Binder, *Journal of The Institution of Engineers (India): Series A*. 101, 701–712(**Scopus**)
- 6) G. Sandeep Reddy, **A. Ramesh**, V.V. Ram, R. Penki, (2020), Laboratory evaluation of hard grade bitumen produced with PPA addition, *International Journal of Pavement Research and Technology* 14, 505-512(**Scopus**)
- 7) G. Kalyan, **A. Ramesh**, V.V. Ramayya, Performance evaluation of warm mix asphalt mixture with partial inclusion of reclaimed asphalt pavement materials, *Materials Today: Proceedings*. (2020) (**WoS, Scopus**)
- 8) E. Rochishnu, **A. Ramesh**, V.V. Ramayya, (2021) Sustainable pavement technologies-performance of high RAP in WMA surface mixture containing nano glass fibers, *Materials Today: Proceedings* 43, 1009–1017(**WoS, Scopus**)
- 9) B Praveen, **A.Ramesh**, M.Kumar (2020) Development of model for seat belt use and assessment of perspective behavior among Indian drivers, *International Journal for Traffic and Transport Engineering*, 2020, 10(2): 126 - 137

- 10) M.Sreeram, **A.Ramesh**, V.Venkat Ramayya, M.Kumar(2019), Laboratory Assessment of Warm Mix Asphalt Mixes When Prepared With Varying Packing Characteristics And Inclusion of Fibre, *Highway Research Journal, IRC*, 47.(UGC)
- 11) **A. Ramesh**, M. Satish Goud, V. Venkat Ramayya, M. Kumar, V. Vinayaka Ram, Influence of Bitumen Modification and Gradation on Performance Characteristics of Asphalt Pavements, *J. Inst. Eng. India Ser. A*. 100 (3) (2019) 407–416., <https://doi.org/10.1007/s40030-019-00369-9>(Scopus)
- 12) **Adepu Ramesh**, Kumar Molugaram, (2018), Evaluation of delay characteristics at signalized Intersections for improvement in level of service, *International Journal for Traffic and Transport Engineering*, 8(3); 309 – 319, DOI: [http://dx.doi.org/10.7708/ijtte.2018.8\(3\).05](http://dx.doi.org/10.7708/ijtte.2018.8(3).05)
- 13) **A Ramesh**, K Ashritha , M Kumar, (2018), Development of Model For Pedestrian Gap Based On Land Use Pattern At Midblock Location And Estimation of Delay At Intersections, *Journal of The Institution of Engineers (India): Series A*, 99, 413–422, ISBN, 2250-2149, DOI: 10.1007/s40030-018-0277-8(Scopus)
- 14) Satish Goud M, **Ramesh A**, Venkat Ramayya V, Kumar M, (2018) Effect of Polypropylene Granules in Asphalt Mix Prepared with varying Packing Characteristics, *Highway Research Journal, IRC*, 9(1); 13-20. ISBN 26432(UGC)
- 15) **Ramesh A**, Kumar M, Srinadh B, (2017), A Laboratory Investigation on Rutting Characteristics of HMA & WMA Mixes when Reinforced with Fibers, *Journal of the Eastern Asia Society for Transportation Studies*, 11(UGC)
- 16) Vijay G, **Ramesh A**, Kumar M, (2017) Identification of Black Spot Location for Providing Improvement Measures on Selected Stretch of National Highway in Hyderabad, India i- *Mangers Journal of Civil Engineering*, 7(3),15 – 24, ISBN 2231-1068(UGC)
- 17) Vijay G, **Ramesh A**, Kumar M, (2017), Examining crash variable based on collision type for predicting crash severity on urban highways, *International Journal of Traffic And Transport Engineering*, 7(3); 381 – 390, ISBN 2217-544X.
- 18) Ashritha K, **Ramesh A**, Kumar M, (2017), Modeling of pedestrian gap in perspective of land use pattern at Midblock location in urban cities, *Journal on Civil Engineering*, 7 (1)37 – 44, ISBN 2231-1068. (UGC)

- 19) Manoj Kumar T, **Ramesh A**, Kumar M, (2016), Evaluation of rutting characteristics in stone mastic Asphalt mix when added with basalt fiber, *i-manager's Journal on Material Science*, 4(3); 29 – 36, ISBN 2347-2235. (UGC)
- 20) Sri Lakshmi Sowmya T **Ramesh A**, Rao BNM, Kumar M, (2015), Black Spot Identification and Audit Analysis for Heterogeneous Traffic Conditions in Hyderabad City – A Case Study, *I-manager's Journal on Structural Engineering*, 4(3); 1- 9, ISBN 2320-2343. (UGC)
- 21) Sharanya G, Teja TN, **Ramesh A**, (2015) Evaluation of Rutting Characteristics on Warm Mix Asphalt with Inclusion of Fibers, *I – Managers Journal of Material Science*, 3(3); 13 – 21, ISBN 2347-2235. (UGC)
- 22) Abdul Khader G, **Ramesh A**, Kumar M, (2015), A laboratory study on acid Modified bituminous mixes in Comparison for rutting Characteristics, *Civil Engineering and Urban Planning: An International Journal*, 2, (4), 19 – 33, DOI:5121/civej.2015.2403.
- 23) Tejaswi G, Amarendra Kumar S **Ramesh A**, Kumar M, (2015), Development of Mode Choice Models Using Multinomial Logit Approach in Hyderabad city, *International Journal of Research in Engineering and Technology*, 4 (13); 311 -314, e:ISSN: 2319-1163.
- 24) Niveditha V, **Ramesh A**, Kumar M, (2015) Development of Models for Crash Prediction and Collision Estimation- A Case Study for Hyderabad City, *International Journal of Transportation Engineering* 3(2); 144 – 150, ISBN 2394 - 3238.
- 25) Sharath Goud A, **Ramesh A**, Kumar M, (2015), Black-Spot Identification Using Accident Severity Approach for Cyberabad Region of Hyd. City – A Case Study, *I-manager's Journal of Engineering Civil*, 5(4); 18 -24, ISBN 2231 - 1068. (UGC)
- 26) **Ramesh A**, Kumar M, Srinivas Prudhvi M, (2015), Improvement in delay and queue length on selected intersection of Hyderabad city using microscopic simulation technique, *I-manager's Journal of Engineering Civil*, 5 (3); 31 -37, ISBN 2231 - 1068. (UGC)
- 27) Kumar M, **Ramesh A**, (2014), Estimation of influence on type of collision for road accidents Using logit models in Cyberabad –Hyderabad –India, *International Journal of Civil & Structural Engineering*, (2); 61- 65, ISBN 2372- 3971.



- 28) **Ramesh A**, Kumar M, (2014), Analysis for Motorbike Accident on Helmet Wearing in Selected Stretches of Hyderabad City – A Case Study, *International Journal of Earth Sciences and Engineering*, 7(4); 695- 703, ISBN 0974-5904. (SCOPUS)
- 29) Arjun Kumar T, **Ramesh A**, (2014) Performance of Lane Based Traffic Flow at Ambedkar ‘Y’ Junction Using Micro Simulation Technique, *International Journal of Earth Sciences and Engineering*, 7(4); 714 – 719, ISBN 0974-5904. (SCOPUS)
- 30) Abhinav N, **Ramesh A**, Kumar M, (2014), Estimation of Headway Patterns on Urban roads in Hyderabad city – A Case Study, *I-manager’s Journal of Engineering Civil*, 4(3); 33 – 42, ISBN 2231 - 1068. (UGC)
- 31) Naresh K, **Ramesh A**, Kumar M, (2014), Laboratory investigation of warm mix asphalt with the Inclusion of recycled aggregate, *I-manager’s Journal of Engineering Civil*, 5(1); 1- 7, ISBN 2231 - 1068(UGC)
- 32) **Ramesh A**, Kumar M, (2011), Road Accidents Models for Hyderabad Metropolitan City of India, *Journal of Indian Highways, IRC*, 39(7); 17-30, ISBN 0376-7256. (UGC)

#### **International Conferences**

- 1) Rajkumar Muddasani, **Ramesh Adepu** and Kumar Molugaram, A Comprehensive Investigation of Pavement Evaluation Through Field and Laboratory and Prioritization, Recent Advances in Traffic Engineering, RATE 2022 11 – 12 November 2022, SV NIT, Surat
- 2) **Ramesh A** Praveen B, Kumar M, (2019) Motorbike Drivers Perspective on Wearing of Helmet in Hyderabad Metropolitan City, India, *the Eastern Asia Society for Transportation Studies (EASTS 2019)*, 9<sup>th</sup> to 12<sup>th</sup> September 2019
- 3) **Ramesh A** Nageshwar Rao Ch, Kumar M, (2018) Experimental Study on Geocell and of Fiber Reinforced Soil Sub-Grade under Static and Repetitive Load, *International Symposium on Geo techniques of Transportation Infrastructure scheduled April 07 -08, 2018 at IIT Delhi, India.*
- 4) **Ramesh A** , Kumar M Abdul Khader G (2017) The Effect of Using Acid Modified Mixes on Performance of Asphalt Concrete, 4<sup>th</sup> *Conference of Transportation Research Group of India (CTRG) 17-20 December, 2017*
- 5) **Ramesh A** and Kumar M, (2016), Development of Deterioration Model From Functional Characteristics And Evaluation of Structural Performance on Selected Corridor of Hyderabad City – A Case Study, *International Conference on*

- Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2016) @ IIT Bombay
- 6) Swetha B, Teja TN, **Ramesh A**, (2016) Assessment of Stone Mastic Asphalt Performance with the Inclusion of Fiber Material on Resilient Characteristics, *International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2016) @ IIT Bombay*.
  - 7) Srinadh B, **Ramesh A**, Kumar M, (2016), Assessment of Rutting Characteristics on Fiber Reinforced Conventional Mixes over PMB, *International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2016) @ IIT Bombay*.
  - 8) Spoorti Reddy G, Teja TN, **Ramesh A** and Kumar A (2015), Trip Generation Model for a Sub Urban Region in Hyderabad City, *International Conference on Innovations in Structural Engineering, ISBN 978 81 7371 986 8*.
  - 9) Omprakash J, **Ramesh A**, Kumar M (2015), Development of Speed–Flow Models for Analysis of on-Street Parking in Hyderabad City – A Case Study, *International Conference on Innovations in Structural Engineering, ISBN 978 81 7371 986 8*.
  - 10) Harita K, **Ramesh A** and Kumar M, (2015), Appraisal of Indirect Tensile Strength in Identification of RAP Concrete Mix, *International Conference on Innovations in Structural Engineering, ISBN 978 81 7371 986 8*.
  - 11) Santosh L, Amarendra S, **Ramesh A** (2015), Effect of vehicular traffic on pedestrians characteristics at signalized intersection, *International Conference on Industry Academia Conference on Construction Management, ISBN 978-93-85525-16-2*.
  - 12) Kumar M, Ramesh A (2015) Estimation of Headways & LOS On Selected Urban Intersections in Hyderabad City, India, *International Global Conference on Logistics, Transportation and Traffic*.
  - 13) **Ramesh A**, Kumar M (2012), Road Accident Severity Analysis Using Logit Models for Hyderabad City, *10<sup>th</sup> International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2012) @ IIT Bombay*.
  - 14) **Ramesh A**, Kumar M (2012), Laboratory Investigation of Modified Bitumen Mixes in Context of Fatigue, *10<sup>th</sup> International Conference on Transportation Planning*

*and Implementation Methodologies for Developing Countries (TPMDC 2012) @ IIT Bombay.*

- 15) **Ramesh A**, Kumar M (2011), Estimation of Delays & Average Speeds on Selected Intersections in Hyderabad City Based on Traffic Signal Timings Using VISSIM, *1<sup>st</sup> International Conference on Transport Research Group (TRG 2011)*.
- 16) **Ramesh A**, Kumar M, (2011) An experimental investigation on engineering behavior of coir fiber and lime fly ash in stabilized mechanistic pavements, *International Association, International Conference on Computer Methods and Advances in Geo-mechanics, Melbourne.*
- 17) **Ramesh A**, Kumar M, (2010) Performance appraisal of crumb rubber bitumen using waste plastics, *International Conference on Development of Road Transportation, NIT, Rourkela.*
- 18) **Ramesh A**, Kumar M, (2010) A Disaggregate modelling approach for optimization of urban transportation system for Hyderabad, *International Conference on Development of Road Transportation, NIT, Rourkela.*
- 19) **Ramesh A**, Kumar M, (2010) A study on correlation of vehicle operation cost and road roughness of a highway in the context of economic evaluation (A case study), *8<sup>th</sup> International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2010) @ IIT Bombay.*

#### *4.8 Papers presented at National Conference:*

- a) An Experimental Investigation on Usage of Coir Fiber and Fly Ash in Stabilized Mechanistic Pavements” **in Indian Geotechnical Conference 2009 at Guntur.**
- b) “Functional Evaluation and Modeling of A Highway by Cost Optimization Technique” (A Case Study) in Third National Conference – OPTTEST 2008 at BAIT, Erode District.
- c) “Improvements in Mechanistic Bituminous Pavements” in TECHNOFEST 2007 a National Level Conference, Vijayawada.
- d) “Laboratory Investigation Of Reclaimed Asphalt For Fatigue Considerations” at Two Day National Conference on Recent Research Advances in Civil Engineering at Osmania University pp:46 – 53, Nov 2014
- e) “Integrated Land – Use Transport Models- An Overview” at Two Day National Conference on Recent Research Advances in Civil Engineering at Osmania University pp:103 -108, Nov 2014

- f) “Assessment of Pedestrian Level of Service and its safety in Heterogeneous Traffic Conditions” at Two Day National Conference on Recent Research Advances in Civil Engineering at Osmania University pp:120 - 125, Nov 2014
- g) Estimation of Domestic Air Travel Demand in Metropolitan Cities of India Using Time Series Analysis” at Two Day National Conference on Recent Research Advances in Civil Engineering at Osmania University pp:116 - 119, Nov 2014

#### 4.9 Sponsored research Projects

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	<i>“Performance Appraisal of Polymer Modified Bitumen Binders”.</i>	Under Research Proposal Scheme (RPS) by AICTE Ref: 8023 / RID / RPS – 79/2010 -11 dt: 31.03.2011	2 years	11.25 Lakhs	<b>Completed</b>
2.	<i>Laboratory Investigation of Recycled Asphalt Pavements (RAP) In Predicting Its Influence on Modified Asphalt Mixture for Evaluation Of Rutting Characteristics</i>	UGC Minor research project UGC Sanction letter No: 313, F.No:4-4/2013 – 14(MRP – SEM/UGC – SERO), Hyderabad, letter dt: 17.03.2014	2Years	4.95 Lakhs	<b>Completed</b>
3.	<i>Development of an Indigenous Low Cost / Light Weight Deflectometer for Structural Evaluation of Pavement</i>	Device Development Programme funded under DST scheme DST/TDT/DDP – 12/ 2018(G), Govt. of India, DST, letter dt: 10.01.2019	2Years	14.10 lakhs	<b>Completed</b>
4.	<i>Assessment of Warm Mix Asphalt (WMA) with partial replacement of recycled aggregate and inclusion of nano material</i>	Procs No. JNTUH/TEQIP-III/CRS/2019/Civil/04; dt: 22.07.2019.	1Year	2.99 lakhs	<b>Completed</b>
5.	<i>Investigating Self-</i>	File Number:	3	6.31	<b>On going</b>

	<i>Healing Capability and Performance of HMA Mixes Containing Steel Slag as Aggregates</i>	CRG/2022/008018, Core Research Grant, SERB	Years	Lakhs	
--	--	--	-------	-------	--

#### **DESIGN PATENT – INDUSTRIAL**

- Title of the design **A Non-Invasive Device for Modulus Measurement of Pavement Layers** File no. 353540-001; Date of publishing 22/11/2021; **Date of grant 19/01/2023**
- Title of the design **Automatic Water Dispenser**, File no. 369341-001; Date of publishing 18/08/2022; **Date of grant 23/05/2023**

#### *4.10 Consultancy Projects*

<b>S.No</b>	<b>Title</b>	<b>Agency</b>	<b>Period</b>	<b>Sanctioned Amount</b>	<b>Ongoing / Completed</b>
1.	Traffic Census survey on NH –5	NHAI	2006	2.00 Lakhs	Completed
2.	Bituminous Mix Design	VMC	2006	0.5 Lakhs	Completed
3.	DPR for PMGSY roads	PMGSY – Nakrekal Sub Division	2006	0.2 Lakhs	Completed
4.	Boundary Survey at Gagilapur	Vignana Jyothi Society	2008	---	Completed
5.	Total Station Training	WALMTARI ,	2010 – 2011	1.2 Lakhs	Completed
6.	Boundary survey at Dr. D. Rama Naidu Vignana Jyothi Institute Rural Development	Vignana Jyothi Society	2011	---	Completed
7.	<i>Benkelman Beam Deflection Studies</i>	Spectrum Engineering	2012	1.5 lakhs	Completed
8.	Axle load surveys	Spectrum Engineering	2012	0.5 Lakhs	Completed
9.	Resilient Modulus for bitumen mixes	SOMA constructions	2013	0.6 Lakhs	Completed
10.	Total Station Training	WALMTARI	2013	0.4 Lakhs	Completed

11.	Stone Polishing Value for Road Aggregate	KDM Engineers (India) P Ltd	2014	0.9 Lakhs	Completed
12.	Total Station Training	WALMTARI	2014	0.9 Lakhs	Completed
13.	Institute Boundary Plan	Vignana Jyothi	2014	---	Completed
14.	Stone Polishing Value for Road Aggregate	M/s.Eclat Engineering Consultants, Hyd.	2015	0.3 Lakhs	Completed
15.	Rutting characteristics	M/s.M. Mahender, Engineer & Contractor,	2016	0.35 Lakhs	Completed
16.	Contour & Boundary map for Institute Hillock	VNR VJIET	2016	----	Completed
17.	Resilient Modulus for bitumen mixes	SOMA	2016	0.5 Lakhs	Completed
18.	Mix Design	JNTU H	2016	0.2 Lakhs	Completed
19.	Mix Design, Core cutting	JNTUH, R & B	2017	0.2 lakhs	Completed
20.	Resilient Modulus for bitumen mixes	Samarth Infra Engineering	2018	0.5lakhs	Completed
21.	Road material testing	TPQC, GHMC	2019	--	Completed
22.	Road material testing	CRMP, TPQC, GHMC	2020	--	Completed.
23.	Resilient Modulus for bitumen mixes	Samarth Infra Engineering	2021	0.3 lakhs	Completed.
24.	Resilient Modulus for bitumen mixes	BVSR Construction	2021	1.0 lakhs	Completed.

## 5. Awards / Honors received:

- a) ***Received Best paper award for the article titled on Fracture studies on mixes prepared with reclaimed asphalt pavement's aggregates (RAP) and inclusion of fibers presented at Sustainable Infrastructure: Innovation, Opportunities and Challenges-2023, NIT Surathkal***

- b) **Received International travel grant** from UGC for presenting my paper at 13<sup>th</sup> International conference on Eastern Asia Society for Transportation Studies, at Battaramulla, Colombo, Sri Lanka
- c) Awarded as certified **“Road Safety Auditor”** from Central Road Research Institute, In-collaboration with Ministry of Road Transport and Highways, Govt. of India.
- d) Received **appreciation** from Water and Land Management Training and Research Institute **WALAMTARI**, Govt. of Telangana for training newly recruited field engineers

S.No.	Name of the Association / Organization	Membership No.	Status
1.	Member ASCI Association Life Membership	Prg/13-14/3/169/52034	In force
2.	Member Eastern Asia Society for Transportation Studies	RM-17-19-0109	In force
3.	Member Institute of Transportation Engineers, USA	--	In force
4.	Member Indian Road Congress	EML - 102270	In force
5.	Member Indian Institute of Concrete	13100	In force

**6. Motto:** *Work is Devotion*