



Dr. R. SRINIVASA KUMAR

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EDUCATIONAL QUALIFICATIONS

- Ph. D. [2002]: Transportation Engineering section, Department of Civil Engineering, Indian Institute of Technology, Kharagpur, West Bengal.
- M. E. (*Highway & Transportation Engineering*) [1997]: Civil Engineering Department, Faculty of Technology, M. S. University of Baroda, Vadodara, Gujarat.
- B. E. (*Civil Engineering*) [1994]: Osmania University, Hyderabad, A.P.

NATIONAL AWARD

Indian Roads Congress (IRC) Commendation Certificate for **The Best Research Paper Publication** in IRC journal during the year 2001-2002.

WORK EXPERIENCE

Field Experience:

Participated in various consultancy works at IIT, Kharagpur, as Research Scholar, during 10th march 1997 to 10th August 2001 (**4 1/2 Years**). Following are the specific examples.

- (a) Roughness Survey using Fifth Wheel Bump Integrator and Axle Load survey on NH5 and NH60 conducted by the Transportation Engineering Section of the Civil Engineering Department, IIT, Kharagpur for M/S Sheladia/PBI/MRC during May-August 1999.
- (b) Axle Load Survey on NH-41 in West Bengal for PWD, West Bengal in May 2000.
- (c) Roughness Survey using Fifth Wheel Bump Integrator on NH-6 conducted for ICT Ltd, New Delhi in July 1999
- (d) As part of a research project by the Ministry of Surface Transport (R-56) I have been conducting various NDT based tests on some pavement sections of NH60, NH6 and other roads.

Teaching Experience:

Sl No	Designation	Institution
1	Assistant Professor	Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad
2	Associate Professor	Department of Civil Engineering, VNR Vignana Jyothi Inst. of Eng. & Tech, Hyderabad.
3	Assistant Professor	
4	Lecturer	Department of Civil Engineering, Institute of Technology (IT), Banaras Hindu University, Varanasi, U. P.
5	Academic Consultant	Department of Civil Engineering, University College of Eng., Osmania University, Hyderabad.
6	Institute Scholar	Department of Civil Engineering, Indian Institute of Technology (IIT), Kharagpur, West Bengal.

Total Period of Teaching Experience including teaching Assistance ship at IIT, Kharagpur = 17 years

Subjects Taught:

Engineering Graphics
 Surveying- I (with Lab. classes)
 Surveying –II (with Lab. classes)
 Environmental Studies
 Transportation Engineering (with Lab. classes)
 Advanced Transportation Engineering
 Pavement Material Characterization (with Lab. classes)
 Pavement Evaluation Maintenance and Management
 Pavement Management System
 Infrastructure Management
 Engineering Economics
 Intelligent Transport station Engineering

CEC-UGC RESEARCH PROJECT

One project funded by Consortium of Educational Communication of University Grants Commission (UGC), New Delhi.

Title of the project: E-Content Development in Transportation Engineering.

Duration: One Year (2005-06)

A Pilot Project has been completed on 02-08-2006.

A TV PROGRAM MADE FOR UGC

An educational program titled, *Transport Engineering*, has been selected for broadcasting in the **Country Wide Class Room Program of UGC** television programs. This multi-media program has been made at EMMRC, Osmania University, Hyderabad. The above program has been accepted by the Preview Committee of CEC-UGC New Delhi.

PARTICIPATED IN A PUBLIC DEBATE

Participated as a Transportation Engineering subject expert in a group discussion titled, Outer Ring Road (ORR), along with other subject experts and eminent politicians of Andhra Pradesh, in a T.V. program called **Prathi-Dhvani** of ETV-2 (*a Telugu TV Channel*), which was broadcasted in the month of October 2006.

ATTENDED WORKSHOPS & SHORT-TERM COURSES

1. A short-term course on “*Geo-Informatics for Urban and Rural Mapping*” conducted by Indian Institute of Surveying & Mapping, Survey of India, Hyderabad, during 3rd January to 13th January 2011.
2. Orientation Program at Academic Staff College, Osmania University, , Hyderabad from 8-4-2008 to 7-5-2008 (One Month Duration).
3. Orientation Program at Osmania University Center for International Programmes, OU, Hyderabad from 2nd to 12th July 2007.
4. Orientation Workshop on E-Content Proposal Development, held at Consortium for Educational Communication (CEC), an Inter University Centre of University Grants Commission on Electronic Media, New Delhi, from 13th to 15th December 2004.
5. A short-term course on “Object Oriented Programming with C++ & VC++” offered by IIT, Kharagpur, during 22nd May to 9th June 2000.
6. A short-term course on “Advanced IT Applications to Civil Engineering” offered by IIT, Kharagpur, during 4th to 15th December 2000.
7. A short-term course on “C A Comprehensive Exposure” offered by IIT, Kharagpur, during 9th June to 15th July 1998.
8. Three Week SERC School on “GPS Applications and Atmospheric Constraints” Organized by Research& Training Unit for Navigational Electronic, OU, 13th June- 3rd July, 2012.
9. Three Week SERC School on “GPS Applications and Atmospheric Constraints” Organized by Research& Training Unit for Navigational Electronic, OU, 13th June- 3rd July, 2012.
10. Three-Days Training Program on “ Land Surveying Using GPS, Auto-level and Total Station, conducted during 1-3 July, 2015, by the Dept., of Civil Eng., UCE, Osmania University, Hyderabad.
11. Engineering Graphics Using AUTOCAD, Dept of Civil Engineering, UCE, Osmania University, Hyd, 9th October 2015, Under TEQIP-II.
12. Two-day Workshop on Teaching, Learning and Assessment Methodologies, UCE, OU, 13-14 December 2016, Under TEQIP-II.
13. Two-days Workshop on Design, Construction, Evaluation and Maintenance of Cement Concrete Pavements, 21-22, October 20016, in the Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.
14. Two-Weeks “Faculty Development Programme in Entrepreneurship” held during 18-April 2016 to 30-April-2016, Entrepreneurship Development Cell (EDC), Osmania University, Hyderabad-7.
15. One day workshop on “Finite Element Methods”, CED, OUC, OU, 30th July 2016.
16. Two day workshop on “Structural Health Monitoring and Condition Assessment of Existing Structures”, 20-21, CED, OUC, OU, January, 2017.
17. Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.

18. 1st International Conference on Innovations in Engineering and Technology, ICRIET-2016, Organized by Aurora's Scientific, Technological and Research Academy, Hyderabad
19. Two-days Workshop on Design, Construction, Evaluation and Maintenance of Cement Concrete Pavements, 21-22, October 2016, in the Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.
20. NERU
21. Two-day Workshop on Teaching, Learning and Assessment Methodologies, UCE, OU during 13-14 Dec 2016.
22. 3rd National Conference on Innovative Research in Civil Engineering, Dept of Civil Eng, Malla Reddy Eng College on 21st Jan 2017.
23. 62nd Congress of Indian Society of Theoretical and Applied Mechanics, ISTAM-2017, 15-8-2017.
24. Three-day Training Program on Ground Penetration Radar Applications, in JNTUH, during 28-30 Dec 2017.
25. One-day National Workshop on Repair and Rehabilitation of structures, Dept of Civil Eng, OU, 28th Feb 2018.
26. Three-day 2nd International Conference on Innovations in Structural Engineering, Organized by the CED, UCE-OU, Hyderabad, 29-31 Dec 2017.
27. Creativity and Innovation Management in Research, ESCI, Gachibowli, 12-16 March 2018.
28. Traffic Problems in & around Hyderabad and Remedial Measures”, 15th June 2018.

INVITED GUEST LECTURES

1. A lecture delivered at Engineering Staff College of India, ESCI, Hyderabad, during a training program on “ NDT for Highway Maintenance Management” scheduled during 27th to 29th April 2004.
2. Six lectures delivered during two training programs for the Junior Engineers of Rural Engineering Services Department, Govt. of Uttar Pradesh, on “Quality Adherence in Construction of Rural Roads” organized by CED, IT-BHU, Varanasi, UP, during 26th to 28th August 2004 and 28th to 30th October 2004.
3. A lecture delivered at Institution of Engineers (I), AP, State Centre, Khairatabad, Hyderabad, titled, “Structural Evaluation of Pavements Using NDT Equipments” scheduled on 7th July 2005.
4. A lecture titled, *Material Characterization*, delivered in a training program titled, Rigid Pavements & Overlays – Design, Construction and Maintenance, conducted by Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad, on 23rd November 2006.
5. Three lectures titled, (i) *Overview on Rural Roads and PMGSY*, (ii) *Road Geometrics and* (iii) *Material Characterization*, delivered in a training program titled, Construction and Maintenance of Rural Roads, conducted by Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad, on 25-29 August 2008.
6. Two lectures titled, (i) *Serviceability Concept* and (ii) *Implementation of Pavement Management System (PMS)*, delivered in a training program titled, Pavement

- Management System, conducted by Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad, on 8th to 12th September, 2008.
7. Three lectures titled, (i) *Overview on Rural Roads and PMGSY*, (ii) *Road Geometrics and (ii) Material Characterization*, delivered in a training program titled, Construction and Maintenance of Rural Roads, conducted by Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad, on 3rd to 4th February 2009.
 8. Two lectures titled, (i) *Overview on Quality Control in Road Construction* and (ii) *Quality of Design in Rigid and Flexible Pavements- Critical Factors*, delivered in a training program titled, Quality Control in Road Construction, conducted by Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad, on 21st to 23rd July, 2009.
 9. Three lectures titled, (i) *Pavement Evaluation Methods* (ii) *Serviceability Concept*, and (iii) *Implementation of PMS*, delivered in a training program titled, Pavement Management Systems, conducted by Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad, 1- 5 September, 2009.
 10. Two lectures titled, (i) *Rigid Pavement Analysis and Design Concepts* and (ii) *Material Characterization*, delivered in a training program titled, Construction and Maintenance of Concrete Roads, conducted by Engineering Staff College of India (ESCI), Gachibowli, Hyderabad, on 2-6 November, 2009.
 11. Three lectures titled, (i) *Design and Construction of Cement Concrete Pavement as per IRC 58 & IRC – 15* (ii) *Material Characteristics*, and (iii) *Failures / Cracks to Cement Concrete Roads (Causes & Its Remedial Measures)*, delivered in a training program titled, Construction & Maintenance of Concrete Roads for the Engineers of Rural Works Department Bhubaneswar, Orissa, 02 – 04 February, 2010, conducted by Engineering Staff College of India (ESCI), Gachibowli, Hyderabad.
 12. A lecture titled, *Quality of Design in Rigid and Flexible Pavements – Critical Factors*, delivered in a training program titled, Quality Control in Road Construction” from 09 – 11 February, 2010, at ESCI Campus, Gachibowli, Hyderabad.
 13. A keynote lecture titled, *Structural Evaluation of Flexible Pavements and Rigid Pavements*, delivered in a National Workshop titled, Recent Advances in Pavement Engineering, RAPAVE 2010, from 26 – 27 March, 2010, at Department of Civil Engineering, M. V. S. R. Engineering College, Nadargul, Hyderabad.
 14. Three lectures titled, (i) Design and Construction of Cement Concrete Pavement as per IRC 58, IRC 15 and IRC-SP 62 (ii) *Material Characteristics*, and (iii) Maintenance of Cement Concrete Roads (Causes & Its Remedial Measures), delivered in a training program titled, Construction & Maintenance of Concrete Roads for the Engineers of Rural Works Department Bhubaneswar-II Batch, Orissa, 06 – 08 April, 2010, conducted by Engineering Staff College of India (ESCI), Gachibowli, Hyderabad.
 15. A lecture titled, *Quality of Design - Critical Factors in Rigid and Flexible Pavement* , Continuing Professional Development Programme on “Quality Assurance & Quality Control in Road Construction” from 14 – 16 July, 2010 at ESCI Campus, Gachibowli, Hyderabad.
 16. Four lectures titled, (i) *Material Characterization* and (ii) *Flexible Pavement Analysis & Overlays-Design Concepts*, (iii) *Pavement Maintenance and Preservation Techniques* and (iv) *QA & QC in Pavement Construction*, delivered in a training program titled, Flexible Pavement and Overlays-Design, Construction and Maintenance, organized by Engineering Staff College of India (ESCI), Gachibowli, Hyderabad, during 06-09 December, 2010.

17. A lecture titled, *Quality of Design - Critical Factors in Rigid and Flexible Pavement*, Continuing Professional Development Programme on “Quality Assurance and Quality Control in Road Construction” from 27 – 29 January, 2011 at ESCI Campus, Gachibowli, Hyderabad.
18. Two lectures titled, (i) *Material Characterization QAQC Test Procedures - I (IS Codes & Specifications)* and (ii) *QAQC Test Procedures - II (IS Codes & Specifications)*, delivered in a training program titled, *Testing of Civil Engineering Materials – Latest Techniques* at ESCI Campus, Gachibowli, Hyderabad, from 17 – 19 August, 2011.
19. Three lectures titled, (i) *Ground Investigation* (ii) *Engineering Properties of Soil*, and (iii) *Soil Stabilization*, delivered in a training program titled, *Soil Investigation & Ground Improvement Techniques in Infrastructure Development for the Engineers of Rural Works Department, Bhubaneswar, Batch-I, 05 – 07 September, 2010*, conducted by Engineering Staff College of India (ESCI), Gachibowli, Hyderabad.
20. Three lectures titled, (i) *Soil Stabilization* (ii) *Engineering Properties of Soil*, and (iii) *Ground Investigation*, delivered in a training program titled, *Soil Investigation & Ground Improvement Techniques in Infrastructure Development for the Engineers of Rural Works Department, Bhubaneswar, Batch-II, 08 – 10 September, 2010*, conducted by Engineering Staff College of India (ESCI), Gachibowli, Hyderabad.
21. A lecture titled, *Material Characterization & Quality Application* in a training program titled, “Quality Assurance & Quality Control in Civil Engineering Construction Projects” from 21 – 24 November, 2011 at ESCI Campus, Gachibowli, Hyderabad
22. Three lectures titled, (i) *Rigid Pavement & Overlays - Analysis & Design Concepts* (ii) *CC Mix Design and QC in Pavement Construction* and (iii) *CC Mix Design and QC in Pavement Construction*, in a training program titled, *Construction and Maintenance of Concrete Roads*” from 12 – 15 December, 2011 at ESCI Campus, Gachibowli, Hyderabad.
23. Two lectures titled, (i) *Quality Control Tests in Road Construction Process* and (ii) *Quality of Design – Critical Factors in Rigid and Flexible Pavements*, in a training program titled, “Quality Assurance and Quality Control in Road Construction” from 19 – 21 December, 2011 at ESCI Campus, Gachibowli, Hyderabad.
24. A lecture titled, *Applications of Flyash in Construction Industry* in a training program titled, *Use of Fly Ash in Civil Engineering Works*, conducted from 23 – 25 January, 2012, at Engineering Staff College of India (ESCI), Gachibowli, Hyderabad.
25. A lecture titled, *Interference of CBR and Curve Setting in Laying of Roads* in a training program titled, *Integrated Participative Decentralized Planning for PR Engineers* from 26th to 28th September, 2012 at AMR-APARD, Rajendranagar, Hyderabad.
26. A lecture titled, *Soil Stabilization* in a training program titled, *Use of Fly Ash in Civil Engineering Works*, on 8-7-2014, at Engineering Staff College of India (ESCI), Gachibowli, Hyderabad.
27. A lecture titled, *Road Safety Audit* in a training program conducted by Engineering Staff College of India (ESCI), Gachibowli, Hyderabad on Road Accident Investigation - Sponsored by The Ministry of Road Transport & Highways (Road Transport Division), Government of India, New Delhi from 15 – 19 September, 2014.
28. One-day workshop conducted on 12th September 2014 on topic:-Traffic Engineering, at Anurag Engineering College, Kodad, telegana district.

29. Two lectures titled, (i) *Quality Control Tests in Road Construction Process* and (ii) *Quality of Design – Critical Factors in Rigid and Flexible Pavements*, in a training program titled, “Quality Assurance and Quality Control in Road Construction” from 19 – 21 December, 2011 at ESCI Campus, Gachibowli, Hyderabad.
30. A lecture titled, *Applications of Flyash in Construction Industry* in a training program titled, Use of Fly Ash in Civil Engineering Works, conducted from 23 – 25 January, 2012, at Engineering Staff College of India (ESCI), Gachibowli, Hyderabad.
31. A lecture titled, *Interference of CBR and Curve Setting in Laying of Roads* in a training program titled, Integrated Participative Decentralized Planning for PR Engineers from 26th to 28th September, 2012 at AMR-APARD, Rajendranagar, Hyderabad.
32. A lecture titled, *Soil Stabilization* in a training program titled, Use of Fly Ash in Civil Engineering Works, on 8-7-2014, at Engineering Staff College of India (ESCI), Gachibowli, Hyderabad.
33. A lecture titled, *Road Safety Audit* in a training program conducted by Engineering Staff College of India (ESCI), Gachibowli, Hyderabad on Road Accident Investigation - Sponsored by The Ministry of Road Transport & Highways (Road Transport Division), Government of India, New Delhi from 15 – 19 September, 2014.
34. One-day workshop conducted on 12th September 2014 on topic:-Traffic Engineering, at Anurag Engineering College, Kodad, telegana district.
35. A lecture titled, Soil Stabilization, Engineering Staff College of India, ESCI, Gachi Bowli, Hyd., 23rd September 2016
36. Thirteen different topics related to Advanced ITS, Dept of Civil Engineering, College of Engineering , Bharathi Vidyapeeth, Pune, 06-08 October 2016.
37. A lecture titled, Intelligent Transportation System, Engineering Staff College of India, ESCI, Gachi Bowli, Hyd. 13th January 2017.
38. Four lectures titled, Characterization of Flexible Pavement Materials, Design of Flexible pavement as per IRC:SP:72-2015, Pavement Evaluation and Maintenance and Marshall Mix Design of Bituminous Mixes Engineering; Staff College of India, ESCI, Gachi Bowli, Hyd., 06-09 December 2016.
39. A lecture titled, Design Issues of Flexible and Rigid Pavements, Engineering Staff College of India, ESCI, Gachi Bowli, Hyd., 22nd February 2017
40. A lecture titled, Preservation Techniques, Engineering Staff College of India, ESCI, Gachi Bowli, Hyd., 24nd February 2017
41. Three lectures titled, Material Characterization, Pavement Design and Maintenance & Preservation Techniques for Rigid Pavements, Utter Pradesh Rajikiya Nirman Nigam Ltd., UPRNN, 8-9 April 2017.

Year	Title of the Invited Guest Lecture	Conducted by Institute/Agency at Place
2014	Soil Stabilization	Engineering Staff College of India, Gachibowli, Hyderabad-500032
2014	Characterization of materials	Engineering Staff College of India, Gachibowli, Hyderabad-500032
2014	Road Safety Audit	Engineering Staff College of India, Gachibowli, Hyderabad-

		500032
2014	Transportation Engineering	Anurag Engineering College, Kodad, Nalgonda District-508206
2014	Road Safety Management	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2014	Road Safety Inspection	
2014	Road Safety Audit	
2014	Material Characterization & Quality Application	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2014	Pavement Evaluation	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2014	Flexible Pavements and Overlay Design	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2014	Pavement Evaluation and Maintenance Methods	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2015	Overview of Use of Fly Ash in Road Projects	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2015	Pavement Evaluation Methods	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2015	Implementation of PMS	
2015	Pavement failures and causes and remedial measures	
2015	1. Pavement Material Characterization 2. Maintenance & Preservation Techniques for Rigid Pavements	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2015	Standard Specifications and Code of Practice for Road Bridges, Section-II Load and Stresses	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2015	Pavement Material Characterization and Quality Application	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2015	1. Soil Stabilization Using Fly Ash 2. Uses of Fly Ash, Applications of Fly Ash in Construction Industry	Engineering Staff College of India, Gachibowli, Hyderabad- 500032
2015	1. Soil Characterization and Classification	Engineering Staff College of India, Gachibowli, Hyderabad-

	2. Soil Stabilization	500032
2015	Intelligent Transportation System	Engineering Staff College of India, Gachibowli, Hyderabad-500032
2015	Design and Maintenance Methods for Flexible Pavements	Engineering Staff College of India, Gachibowli, Hyderabad-500032
2016	Traffic Signs and Markings	Road Safety Management, The Ministry of Road Transport and Highways, New Delhi at Guwahati.
2016	Intelligent Transportation System	Road Safety Management, The Ministry of Road Transport and Highways, New Delhi at Guwahati
2016	Road Safety Audit	Road Safety Management, The Ministry of Road Transport and Highways, New Delhi at Guwahati
2016	1. Road Engineering Measures for Improving Road Safety 2. Signs and Markings for Road Safety	Engineering Staff College of India, Gachibowli, Hyderabad-500032
2016	1. Road Safety Audit 2. Intelligent Transportation System for Road Safety	Engineering Staff College of India, Gachibowli, Hyderabad-500032
2016	1. Drainage Design Parameters 2. Design of Rigid pavement as per IRC:58, 2015	Engineering Staff College of India, Gachibowli, Hyderabad-500032
2016	State of the Art Practices for the Pavement Evaluation and Rehabilitation	Key note lecture delivered at 5-day STTP, SV-NIT Surath-395007
2016	Use of Fly Ash for Manufacturing of Bricks and Paving tiles/blocks	Engineering Staff College of India, Gachibowli, Hyderabad-500032
2016	Road Materials and Testing in Transportation Engineering	Department of Civil Engineering, Mall Reddy Engineering College, Maisammaguda, Dhulapally, Secunderabad-500100
2016	Overview on Land Surveying	Dept of Civil Engg, Aurora'a Scientific, Technological and Research Academy, Bandlaguda,

		Hyderabad-05
2016	1. Soil Stabilization	Engineering Staff College of India, Gachi Bowli, Hyd.
2016	2. Thirteen different topics related to Advanced ITS	Dept of Civil Engineering, College of Engineering , Bharathi Vidyapeeth, Pune, MH
2016	3. Characterization of Flexible Pavement Materials 4. Design of Flexible pavement as per IRC:SP:72-2015 5. Pavement Evaluation and Maintenance 6. Marshall Mix Design of Bituminous Mixes	Engineering Staff College of India, Gachi Bowli, Hyd
2017	7. Intelligent Transportation System	Engineering Staff College of India, Gachi Bowli, Hyd.
2017	8. Design Issues of Flexible and Rigid Pavements	Engineering Staff College of India, Gachi Bowli, Hyd
2017	9. Preservation Techniques	Engineering Staff College of India, Gachi Bowli, Hyd
2017	Road Engineering Measures for Improving Road Safety	Engineering Staff College of India, Gachi Bowli, Hyd
2017	Material Characterization Rigid Pavement Design	Engineering Staff College of India, Gachi Bowli, Hyd
2017	Maintenance & Preservation Techniques for Rigid Pavements	Engineering Staff College of India, Gachi Bowli, Hyd
2017	10. Material Characterization 11. Pavement Design 12. Maintenance & Preservation Techniques for Rigid Pavements	Utter Pradesh Rajikiya Nirman Nigam Ltd., UPRNN, Lucknow, UP
2017	Use of Fly ash, Application of Fly ash in Construction Industry	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
2017	Characterization of Materials-Soil and Aggregates	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
2017	Soil Stabilization Using Foamed Bitumen	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
2017	Road Assurance & Quality Control in Road Construction	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
2017	Road Geometry and its Importance, Alignments, Capacities-Design parameters	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,

2017	1. Pavement Materials Characterization including Bituminous Mixes 2. Design of flexible Pavements & Overlay as per IRC:SP:72-2015	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
2017	Methods of Road Testing & Overlay Design	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
2018	Importance of Road Geometry- Causative Factors for Accidents	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
2018	Road Engineering Measures to Improve Road Safety	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
2018	Pavement Management Process-Design Standards	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
2018	Intervention criteria and Alternate Strategies	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
2018	Material Characterization	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,
Feb 2018	Preservation Techniques	Engineering Staff College of India, ESCI, Gachi Bowli, Hyd.,

PROFESSIONAL ACTIVITY/ CONSULTANCY WORKS

Participated in various consultancy works at IIT, Kharagpur, as Research Scholar, during 10th march 1997 to 10th August 2001 (**4 1/2 Years**). Following are the specific examples.

- (e) Roughness Survey using Fifth Wheel Bump Integrator and Axle Load survey on NH5 and NH60 conducted by the Transportation Engineering Section of the Civil Engineering Department, IIT, Kharagpur for M/S Sheladia/PBI/MRC during May-August 1999.
 - (f) Axle Load Survey on NH-41 in West Bengal for PWD, West Bengal in May 2000.
 - (g) Roughness Survey using Fifth Wheel Bump Integrator on NH-6 conducted for ICT Ltd, New Delhi in July 1999
 - (h) As part of a research project by the Ministry of Surface Transport (R-56) I have been conducting various NDT based tests on some pavement sections of NH60, NH6 and other roads. Details of consultancy services & name of offering agency through the Institution.
- *At Banaras Hindu University, Varanasi:*
Worked as a member of State Technical Authority (STA) for the Pradhan Manthri Gram Sadak Yojana (PMGSY), Rural Roads Project.
 - *At IT, BHU, IIT-Kharagpur and VNR VJIET- Hyderabad, participated in:*
Highway material characterization tests conducted for UP-PWD, CPWD, PMGSY Scheme and for private consultants.
 - Recarpeting / Strengthening of a few selected Road stretches in Hyderabad, Estimated cost of the Road construction work = Rs. 80 Lakh, for carryout of the QA/QC works ≈ 2 months, GHMC, Hyderabad.
 - Proof checking & vetting of pavement design related to rehabilitation and upgradation of four laning of Jharpokharia – Baripada _ Baleshwar section of NH-5 (Km 0.000 to Km 80.600) in the State of Odisha under NHDP Phase IV.

- Proof checking & vetting of pavement design related to section of Bituminous Road pertaining to Guru Ghasidas Vishwavidyalaya (GGV), Bilaspur. letter No. 859/PM/UPRNN/HYD/GGV/2017, dated on 03rd December 2017.
- Consultancy work for conducting surveys, designs and preparation of quantity estimates with drawing for BIACL- Development of Green field no frills Airport at Dagadarthi – in Nellore – Detailed Estimate for Approach road to a length of 1.8m for Dagadarthi Airport. No. Lr. 118/BIACL/DGD/2017, dt.09.10.2017.

Other Information

Courses Developed: Computer Applications & Design in Transportation Engineering; Computer programs were developed for Orientation of Runway and design of Rigid and Flexible pavements based on IRC:58, FAA, GI and CBR method.

Laboratories Handled: Transportation Engineering lab & Surveying Lab

Projects handled: One, M.E. Project as Co-supervisor and Six, B.E. Projects.

CONDUCTED TRAINING PROGRAMS

As Co-ordinator:

1. Three-day training program for the Junior Engineers of Rural Engineering Services Department, Govt. of U.P., on the topic “Quality Adherence in Construction of Rural Roads” from 26th to 28th August 2004, organized by the Department of Civil Engineering, Institute of Technology, Banaras Hindu University (BHU), Varanasi, UP.
2. Three-day training program for the Junior Engineers of Rural Engineering Services Department, Govt. of U.P., on the topic “Quality Adherence in Construction of Rural Roads” from 28th to 30th October 2004 organized by the Department of Civil Engineering, Institute of Technology, Banaras Hindu University (BHU), Varanasi, UP.
3. Organized a 2-Day Training Program on Recent Advances in Highway and Traffic Engineering, during 20-21, March-2009, Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.
4. Three-Days Training Program on “ Land Surveying Using GPS, Auto-level and Total Station, conducted during 1-3 July, 2015, by the Dept., of Civil Eng., UCE, Osmania University, Hyderabad
5. Coordinator, Surveying Camp in CED UCE-OU, during 6-8 November 2015.
6. Two-day Workshop/ Training Program on “Design, Construction, Evaluation and Maintenance of Cement Concrete Pavements” 21-22 October 2016, TEQIP-II. Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.
7. Coordinator, Surveying Camp-2016 in CED UCE-OU, 2016.
8. Coordinator, Three-Days Training Program on “ GNSS Technologies and Its Applications”, conducted during 20-22 October, 2017, by the Dept., of Civil Eng., and NERTU, UCE, Osmania University, Hyderabad
9. Coordinator, Surveying Camp-2017 in CED UCE-OU, during 23-25 April 2017.

10. Convener, “Traffic Problems in & around Hyderabad and Remedial Measures”, 15th June 2018.

PUBLICATIONS (A Few Listed Below)

NATIONAL JOURNALS

1. R. Srinivasa Kumar. Information Technology for Highway Engineers, Journal of the Civil Engineering Society, Indian Institute of Technology, Kharagpur, May 1999.
2. R. Srinivasa Kumar, Modeling Rutting Failures of Pavements - A Brief Review, Journal of The Civil Engineering Society, Indian Institute of Technology, Kharagpur, August 2000.
3. R. Srinivasa Kumar, Santhosh Kumar, A. Das, K. S. Reddy, M. Mazumdar, and B. B. Pandey. Development of an Impact Apparatus for Evaluation of Elastic Modulus of Pavement Layers, Indian Geotechnical Journal, Vol 31, No.3 July 2001.
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11. R. Srinivasa Kumar, Public Private Partnerships for Development of Road Infrastructure in India, Journal of Indian Roads Congress, Indian Highways, IRC, pp.39-46, Vol. 39 (1), January 2011.
12. Srinivasa Kumar R, “Development of Vehicle Tailpipe Emission Models Based on Road Roughness”, i-manager's Journal on Civil Engineering, Vol. 7(4), 1-7. <https://doi.org/10.26634/jce.7.4.13796>, Feb, 2018.

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 16. R. Srinivasa Kumar and K. S. Reddy. A Revised Mechanistic Method for Design of Indian highways. The International Journal of Pavement Engineering & Asphalt Technology(ISSN 1464-8164), Volume 5, Issue 2 December 2004.
 17. R Srinivasa Kumar and Vinay Kumar K, “Evaluation of Performance of Isolated Signalized Intersections and Design of Co-ordinated System by Using Vissim Software”, International Journal of Emerging Technology and Advanced Engineering, Vol 8(5), pp.230-237, May 2018, ISSN No. 2250-2459.

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- 3 M.Amaranatha Reddy, R. Srinivasa Kumar, K. S. Reddy and B. B. Pandey. Development of Falling Weight Deflectometer System for Structural Evaluation of Pavements in India, International Seminar on Sustainable Development in Road Transport, New Delhi, 8 – 9 November,2001.
- 4 R. Srinivasa Kumar, K. S. Reddy, M. Mazumdar and B. B. Pandey, Estimation of In-Situ Pavement Layer Moduli Using Falling Weight Deflectometer, International Seminar, CONMAT-2003, IIT, Kharagpur, Jan, 2003.
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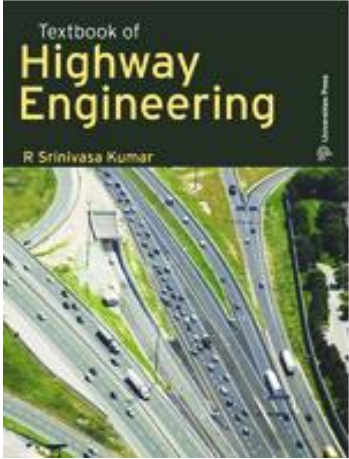
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- 9 Phanivikram T., Venkatesh S., Murthy GVLN. and Srinivasa Kumar R., “Silty Soil Stabilization Using Bituminous Emulsion”, Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.
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- 15 Srinivasa Kumar R., “Geometric Design Aspects of Access Control for Prevention of Road Accidents”, paper presented in All India Seminar on Road safety, organized by Association of Transport Department Technical Officers, Hyderabad, Telangana, 2015.
- 16 Rambabu M., Sindhu Chowhan L. and Srinivasa Kumar R., “Roughness Evaluation of Flexible Pavements Using Merlin and Total Station Equipment”, One Day 2nd

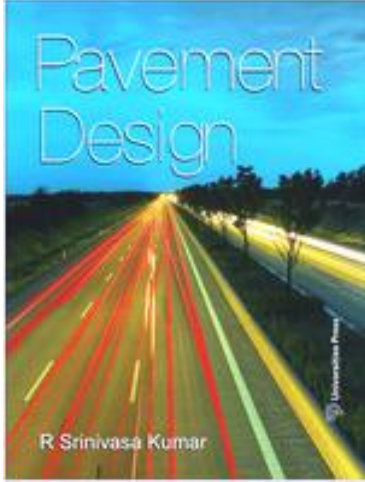
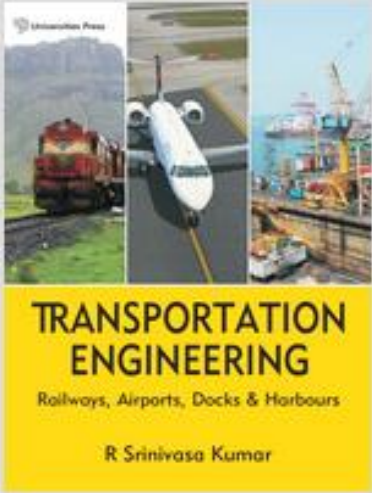
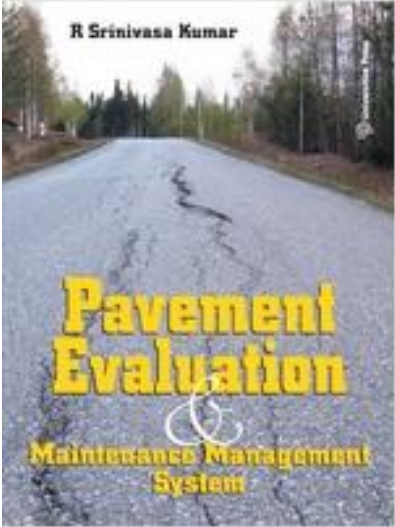
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- 17 Rohit M.S.R., Prashanth S. K., Anukesh C. and Srinivasa Kumar Road Safety Concerns on Outer Ring Road – Hyderabad, One Day 2nd National Conference on “Sustainable Measures for Advanced Research and Technology in Civil Engineering” SMART 2K17, pp.105-110, 22nd April 2017
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 - 20 Srinivasa Kumar R., Sindu Chohan L. and Chandrakanth D., “Development of models for prediction of bitumen contaminated with wax”, 3rd National Conference on “Innovative Research in Civil Engineering” NCIRCE2K17 Under TEQIP-II, ISBN No. 9789383038527, 21 January 2017.
 - 21 Srinivasa Kumar R and Koteswara Rao P.V., “Pavement evaluation using electronic 3-m rolling straight edge (ERSE), Proc., of 3rd National Conference on “Innovative Research in Civil Engineering” NCIRCE2K17, Organized by CED, Malla Reddy Engineering Colleg, Dhulapally, Secunderabad, Under TEQIP-II, ISBN No. 9789383038527, pp.7-10, 21 January 2017.
 - 22 Assessment of Stopping Sight Distance on Sag Curve at Overhead Structure, 3rd National Conference on “Innovative Research in Civil Engineering” NCIRCE2K17 Under TEQIP-II, ISBN No. 9789383038527, 21 January 2017.
 - 23 Rohith M. M., Srikanth G. and Srinivasa Kumar R., “Experimental Investigation on Blackcotton Soil Stabilized with Bio-enzyme”, 4th Conference on Transportation Systems Engineering and Management, Anna University, Chennai, 12-13 May 2017.
 - 24 Rohih Mane SR, Kumara Swamy, R. Srinivasa Kumar, “A Review Paper on Usage of Bio-enzymes”, National Conference on sustainable practice and advances in Civil engineering, KITS, Warangal, 1st Spet 2017.
 - 25 Muthuran Reddy P, Sindhu C. L and R. Srinivasa Kumar, “Evaluation and analysis of existing Rural Roads Alignment Using DGPS”, Global Journal of Engineering Science and Research, ISSN 2348-8034, Vol.4(10), October 2017.
 - 26 Bharath Naik and R Srinivasa Kumar, “A Review on Flexural Performance of Recycled Aggregate Admixed with GGBS, Flyash and Fiber”, Two-day National Conference on Recent Trends in Structural Engineering, organized by CED, Methodist College of Engineering & Technology, Abids, Hyderabad during 6-7 Oct 2017.
 - 27 Rohih Mane SR, N Kumara Swamy, R. Srinivasa Kumar and PVS Koteswar Rao, “Economic Analysis of Flexible Pavement by Using Subgrade Soil Stabilized with

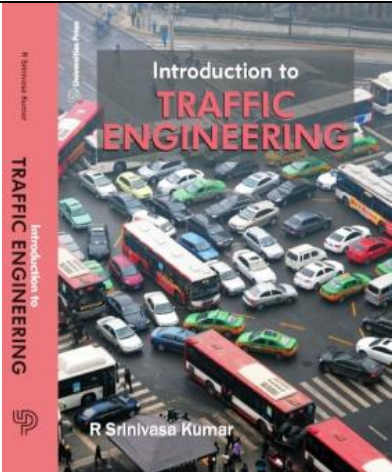
- Zycobond and Terrasil”, 1st National Conference on Trends in Science, Engineering and Technology, ISBN 97881-936274-0-2, Matrusri Eng College, Saidabad, Hyderabad, pp.34-38, during 2-3 Feb 2018.
- 28 R Srinivasa Kumar and Vinay Kumar K, “Evaluation of Performance of Isolated Signalized Intersections and Design of Co-ordinated System by Using Vissim Software”, National Conference on Advanced Computing Applications in Civil engineering, Dept of Civil Eng, Osmania University, Hyderabad during 20-21 April 2018, Paper ID:301, ISSN No. 978-93-87593-22-0.
- 29 PVS Koteswar Rao, S. nagabhushanam and R. Srinivasa Kumar, “A study on Recycled Bituminous Pavement Materials Using Bitumen VG-30Economic”, 1st National Conference on Trends in Science, Engineering and Technology, ISBN 97881-936274-0-2, Matrusri Eng College, Saidabad, Hyderabad, pp.16-19, during 2-3 Feb 2018.

TEXT BOOKS (5)

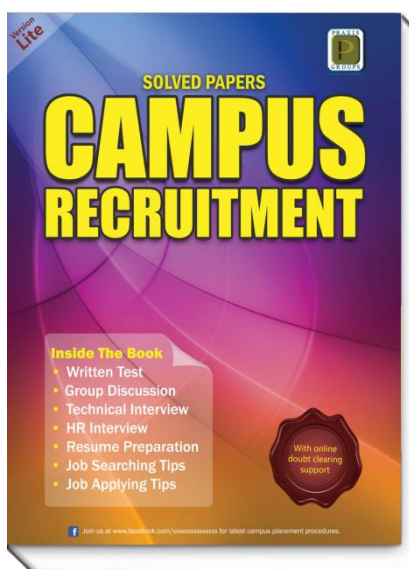
www.universitiespress.com/Display_Contents?txt=Srinivasa+kumar

Book Title	Publisher Name	Year of Publications
 <p>1. Text Book of Highway Engineering</p>	<p>Universities Press (India) Private Ltd Pages:660 ISBN 978 7371 681 2</p> <p>http://www.universitiespress.com/display.asp?categoryID=0&isbn=978-81-7371-681-2</p>	<p>2011</p>

 <p style="text-align: center;">2. Pavement Design</p>	<p>Universities Press (India) Private Ltd. Pages: 360 ISBN 978-81-7371-885-4</p> <p>http://www.universitiespress.com/display.asp?categoryID=0&isbn=978-81-7371-885-4</p>	<p>July 2013</p>
 <p style="text-align: center;">3. Transportation Engineering (Railways, Airport, Docks & Harbors)</p>	<p>Universities Press (India) Private Ltd. Pages:348</p> <p>ISBN 978-81-7371-924-0</p> <p>http://www.universitiespress.com/display.asp?categoryID=0&isbn=978-81-7371-924-0</p>	<p>July 2014</p>
 <p style="text-align: center;">4. Pavement Evaluation & Maintenance Management System</p>	<p>Universities Press (India) Private Ltd. Pages: 588</p> <p>ISBN 978-81-7371-922-6</p> <p>http://www.universitiespress.com/display.asp?categoryID=0&isbn=978-81-7371-922-6</p>	<p>July 2014</p>

 <p>5. Introduction to Traffic Engineering</p>	<p>Universities Press (India) Private Ltd. Pages:809</p> <p>ISBN ISBN 978-93-86235-47-3 http://www.universitiespress.com/BookDescription?isbn=978-93-86235-47-3</p>	<p>June 2018</p>
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Contributed in a Chapter



CHIEF EDITOR

Working as Chief Editor for THE LITMUS, a News Bulletin, published the University College of Engineering, Osmania University, Hyderabad, India.

M.E. (Transportation Engineering) PROJECTS GUIDED

Sl. No.	Student Name	Title of M.E. Thesis
1	M. Shreevani	Economical Analysis of State Highway-1 Using HDM-4
2	Abdul Muqtadir	Applications Of Ground Penetrating Radar In Pavement Engineering
3	V. Anusha	Pavement Management system for state Highway-2 (Narketpally-Addanki), A Case Study
4	V. Bhasker	A Study on Geometric Design Parameters of Low-Speed

		Horizontal Road-Curves
5	D. Pruthvi Raj	Development of a Methodology for New Alignment Proposals of Rural Road Network Using PPK DGPS Technique: A Case Study
6	P. Muthuram Reddy	Evaluation and Analysis of Existing Rural Roads Alignment Using DGPS
7	Y. Gopi Lavanya	Design of Flexible Pavement by Replacing the Base Layers Stabilized with Jindal Global Road Stabilizer-A Case Study
8	K. Ajay Kumar	Traffic Growth Parametric Study for Hyderabad & Outer Ring Road (ORR)- A Case Study
9	Mehrdad Vakilzadehanaraki	Evaluation and Design of Coordinated Traffic Signal System for Selected Road Junctions In Hyderabad
10	Samiulhaq	Stabilization of Black Cotton Soil using Fly ash and Lime
11	Haritha N.	Assessment of Stopping Sight Distance on Sag Curve at Overhead Structure
12	Rama Rao H.	Evaluation of Geometric Design Inconsistencies in Sag Vertical Curves
13	Venkatesh S.	Silty-Soil Stabilization Using Bituminous Emulsion
14	M. Rambabu	Roughness Evaluation of Flexible Pavements using Merlin & Total Station Equipment
15	C. Narayana	A Study on Development of Parking Demand Model for High Court Premises – A Case Study
16	P. Suresh Babu	A Study on Recycled Bituminous Pavement Materials using VG-30
17	T. Phani Vikram	Stabilization of Black Cotton soil using RECORN 3S Fiber
18	Md. Ibrahim	Pavement Distress Condition Evaluation Using Rolling Straight Edge
19	K. Madhu Kumar	Saturation Flow Model at Signalized Intersection for Non-lane based Traffic
20	M. Srujan Kumar	Two-way Signal Coordination Using Simple Progressive System for a Three Signalized Junctions in Secunderabad
21	M. S. R. Rohith	Determination of Capacity at Unsignalized Intersections Under Mixed Traffic Flow Condition
22	Eshrak	A Study on Urban Parking Problems and Parking Demand
23	K. Shashi Kumar	Development of Delay Models for Roundabout with Heterogeneous Traffic Flow Condition
24	K. Chandana	Estimation of Pedestrian Level of Service on Selected Streets of Footpath in Hyderabad City
25	Y. V.Ravindranath	Optimal Transport Planning in India Post Using GPS Technology: A Case Study
26	S.Nagabhushanam	Study on Properties of dense Bituminous Macadam Mix Using Steel Slag by Partial Replacement of Aggregates
27	Lal Vishal	Corridor Management Using Service Level Benchmarks (LB Nagar Ring Road to Uppal Ring Road)
28	J. Ramesh	Optimization of Rural Roads Network for Public Transportation Operation: A Case Study
29	R. Chandrakanth	Traffic signal coordination by using VISSIM software for three signalized junctions at RTC X roads.

30	K. Vinay Kumar	Prediction of Pavement Condition Index by International Roughness Index Using MERLIN and 3-M Rolling Straight Edge Equipment
31	Kumara Swamy	Stabilization of Black Cotton Soils Using Terrasil and Zycobond

ADMINISTRATIVE ACTIVITIES

1. Time Tables in charge, during the year 2007 to 2010.
2. Coordinated to setup Civil Engineering Department Website (Campus only) Links (Registrar's Letter No.327/UGC/OU/Web/2009, dt. 3rd July 2009).
3. CED Report prepared for Annual Quality Assurance Report (AQAR), Letter No. 109/IQAC/09, dt. 24th April 2009.
4. Departmental Committee (DC) Member from the year 2008 to 2010.
5. Incharge for "Heading Activities" of the Civil Engineering Department, Principal's Letter No.149/UGC/Acad./UCE/2009, dt. 5th February 2009.
6. Incharge for preparing Pre-Ph.D. Candidates List with approved DRC subjects. Examination Cell letter No. 579/Wxam Cell/ UCE.OU/2008, dt.12th December 2008.
7. Coordinated first year BE (Civil) students during Orientation and after Orientation Programme, Principal's letter No. 1506/Acad./UCE/2008, dt. 11th September, 2008.
8. Coordinated for Issue of Identity Cards-submission of student's details and bonafied certificates by the Director, UFRO, OU, dt. 1st November 2008.
9. In-Charge for Transportation Engineering Laboratory and consultancy work Co-ordinator for the GHMC works, from dt. 26-12-2009 to 11-09-2012.
10. Incharge for "OU News Letter", for collection, preparation and sending information of various activities of the Department during Jan – Dec 2009, to Prof. UVB Reddy, Director (Infrastructure), OU. Letter No. 111/CED/2010, dt. 30/03/2010.
11. Incharge for conducting Survey Camp for students of BE ¾ Civil, II-sem, from 31st March to 1st April 2010.
12. Prepared a report of Proposal requesting for appointment of new Teaching Posts in the CED, OU, as per the AICTE norms of PG and UG courses.
13. Member of Catering & Food Management Committee for 28th Central Zone Inter University Youth Festival, Yuva Tharang, from 16 to 20th November 2012.
14. Coordinator, Internal Quality Assurance Cell at UCE, OU from 9-10-2012 to 10-10-2013.
15. Stock Verified for FM Lab and PH lab w.r.f. a letter dated on 17-06-2016
16. Arranged for Internship in L&T Construction Buildings & Factories, HMR Projects, Hyderabad for 12 students in three batches, w.r.f. letters dated on 27-05-2017
17. Coordinator for the Post Graduation (PG) programs, M.E. (Transportation Engineering) from 7th October 2014 to 12 July 2018.
18. In-charge, Transportation Engineering Laboratory from 26-12-2009 to 11-09-2012.
19. In-charge, Surveying Laboratory from 18 June 2016 to 02 July 2018.
20. In-charge, Transportation Engineering Laboratory from 30 June 2018 to **till today**.
21. Additional Chief Superintendent for conducting all semesters of B.E. and MCA UCE-OU Exams, Osmania University, since 20-10- 2017.
22. Member of BOS of CED, CBIT from 29-12-2017
23. Chief Superintendent, Recruitment Test-2018 for conducting of recruitment test for 600 candidates on 11-02-2018, letter dated on 30-01-2018.

24. Chief Superintendent, Recruitment Test-2018 for conducting of recruitment test for 600 candidates on 25-02-2018, letter dated on 12-02-2018.
25. Chief Superintendent for conducting a Test on 25-02-2018.
26. Member of BOS of CED, UCE-OU from Dt.15-02-2018.
27. Supervisor, Civil Services (Preliminary) Examination-2018, conducted on 03-06-2018 for 600 number of candidates, first time in OU Campus.

OTHER

1. Guest of Honor for *One Day 2nd National Conference on “Sustainable Measures for Advanced Research and Technology In Civil Engineering” SMART 2K17* on 22nd April 2017. Organized by Nalla Narasimha Reddy Educational Society’s Group of Institutions, Integrated Campus, Medchal Dist., Hyd.
2. Chaired Two-Technical Sessions during 1st International Conference on Innovations in Engineering and Technology (ICRIET-2016) Organized by Aurora’s Scientific, Technological and Research Academy, Hyderabad-500005. Held on 22-23 December 2016
3. Judge, Paper presentation during NIRMAN-2017, CED, UCE, OU. During 10-11 March 2016.
4. Guest of Honor for *One Day 2nd National Conference on “Sustainable Measures for Advanced Research and Technology In Civil Engineering” SMART 2K17* on 22nd April 2017. Organized by Nalla Narasimha Reddy Educational Society’s Group of Institutions, Integrated Campus, Medchal Dist., Hyd.
5. Chaired Two-Technical Sessions during 1st International Conference on Innovations in Engineering and Technology (ICRIET-2016) Organized by Aurora’s Scientific, Technological and Research Academy, Hyderabad-500005. Held on 22-23 December 2016.
6. Judge, Paper presentation during NIRMAN-2017, CED, UCE, OU. During 10-11 March 2016.
7. Paper setting for PGECET-2016 w.r.t. a letter dated 08-03-2015.
8. Paper setting for PGECET-2017 w.r.t. a letter dated 24-02-2017
9. Judge, Paper presentation during NIRMAN-2018, CED, UCE, OU. 8 March 2018.
10. Land of 5-Acre survey conducted in OU Campus for a proposed building “Center for Excellence Training & Development”- An Alumni Initiate, w.r.t. a letter dated 12-04-2018.
11. Addl. Chief Superintendent for conducting ME/M.Tech (PTPG) Entrance Exam for the year 2018-19, w.r.t letter dated on 29-06-2018.
12. Subject Expert for Faculty Orientation Program on 6th July 2018, organized by the CED, Vignan Institute of Technology & Science, Yadadri Bhuvanagiri District, TS.
13. Interview provided with Suggestions & Observations on “Reduction of Traffic Problems on the Hyderabad Road” for a Radio Documentary work of a Masters in Journalism Thesis of The English and Foreign Languages University, Hyderabad.

LIST OF PH.D. SCHOLARS

1. Laxmana Reddy:
2. Venkatram Reddy:

3. Bhaskar, Valkati:
4. Rohith SR Mane:
5. Prashanth Soma:
6. Shashi Kumar:
7. Bharath Naik:
8. Srujan Morugu:
9. Mahesh Burri:
10. Lal Vishal:

REPORTS PREPARED

- TECHNICAL REPORT-1, Research Scheme R-81, *Structural Evaluation of Pavements In Eastern India By falling Weight Deflectometer*, Submitted to the Ministry of Surface Transport (MOST), Roads Wing, Government of India, New Delhi, by Civil Engineering Department, IIT, Kharagpur, December 1999.
 - TECHNICAL REPORT-2, Research Scheme R-81, *Structural Evaluation of Pavements In Eastern India By falling Weight Deflectometer*, Submitted to the Ministry of Surface Transport (MOST), Roads Wing, Government of India, New Delhi, by Civil Engineering Department, IIT, Kharagpur, June 2000.
- TECHNICAL REPORT-3, Research Scheme R-81, *Structural Evaluation of Pavements In Eastern India By falling Weight Deflectometer*, Submitted to the Ministry of Surface Transport (MOST), Roads Wing, Government of India, New Delhi, by Civil Engineering Department, IIT, Kharagpur, December 2000.

EQUIPMENTS FABRICATED





Falling Weight Deflectometer (FWD) – A Basic Model



3-M Rolling Straight Edge- A Basic Model



Dynamic Cone Penetrometer (DCP)



Machine Evaluating Roughness using Low-cost Instrumentation (MERLIN)

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