

## **venu malagavelli, Ph.D.**

Department of Civil Engineering,  
Institute of Aeronautical Engineering,  
Dundigal, Hyderabad, Telangana, India.

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### **EDUCATION**

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#### **BITS – Pilani, Hyderabad Campus, India.**

Doctor of Philosophy in Civil Engineering, November 2014 (Awarded in 2015)

Major Area: Structural Engineering

Dissertation: Development of Cement Concrete with non-bio degradable waste products and  
Supplementary materials – An Experimental Investigation

Advisor: Prof. Dr. P. N. Rao

#### **BITS – Pilani, Rajasthan, India.**

Master of Engineering in Civil Engineering, May 2004. (CGPA: 8.34/10)

Major Area: Structural Engineering

Thesis: Linear and Non-Linear Dynamic behavior of Layered Soil Stratum

Advisors: Dr. B.K. Maheswari

#### **JNTUCEH, JNTU Hyderabad, Telangana, India**

Bachelor of Technology in Civil Engineering, December 2001. (% of Marks: 80.00)

#### **S.E.S.C. Govt. Polytechnic, Nandyal, Andhra Pradesh, India.**

Diploma in Civil Engineering, April 1997. (% of Marks: 71.65)

#### **S.S.C., Board of Secondary Education, Andhra Pradesh, India.**

Mathematics, Physical Sciences, Social studies, March 1994. (% of Marks: 63.00)

### **EXPERIENCE**

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**Professor**, Department of Civil Engineering, Institute of Aeronautical Engineering,  
Dundigal, Hyderabad, India (November 2015 to till date).

**Lecturer**, Department of Civil Engineering, BITS – Pilani, Hyderabad Campus. (July 2004  
to July 2014).

### **RESEARCH INTERESTS**

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High Performance Concrete

High Strength Concrete

Fiber Reinforced Concrete

Development of Concrete using Industrial Waste Materials

Geo Polymer Concrete  
Self - Compacting Concrete  
Rubberized Concrete

## **PUBLICATIONS**

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### **Journals**

**M. Venu** and P.N.Rao, "*Study of Rubber Aggregates in Concrete: An Experimental Investigation*", International Journal of Civil Engineering and Technology, Vol.1(1), pp 15-26, 2010.

**Venu Malagavelli** and Rao, P.N., "*High Performance Concrete with GGBS and ROBO sand*", International Journal of Engineering Science and Technology, Vol.2(10), pp. 5107-5113, 2010.

**Venu Malagavelli** and Rao, P.N., "*Effect of non-bio degradable waste in Concrete slabs*", International Journal of Civil and Structural Engineering, Vol.1(3), pp 449-457, 2010.

**Venu Malagavelli** and Neelakanteswara Rao Paturu, "*Polyester Fibers in concrete - An experimental Investigation*", Journal of Advanced materials research, Vol. 261-263, pp. 125-129, 2011.

**Venu Malagavelli** and Neelakanteswara Rao Paturu, "*Strength Characteristics of Concrete using Solid Waste - An experimental Investigation*", International Journal of Earth Sciences and Engineering, Vol.4(6), pp. 937-940, 2011.

**Venu Malagavelli** and Neelakanteswara Rao Paturu, "*Strength and Workability Characteristics of Concrete By Using Different Super Plasticizers*", International Journal of Materials Engineering, Vol. 2(1), pp. 7-11, 2012.

Abhijeet S. Gandage, V. R. VinayakaRao, M.V.N. Sivakumar, A.Vasan, **M.Venu**, and A. B. Yaswanth, "*Effect of Perlite on Thermal Conductivity of Self-Compacting Concrete*", **ELSEVIER Procedia**, Vol. 104 (2013), pp. 188-197.

**Venu Malagavelli** and Prasanth Abraham Manalel, "*Modelling of Compressive Strength of Admixture Based Self-Compacting Concrete using Fuzzy Logic and Artificial Neural Networks*", Asian Journal of Applied Sciences, Vol. 7(7), 2014, pp. 536-551.

**Venu Malagavelli**, Rajnish Singh Parmar and P.N. Rao, *“Thermal Conductivity and Impact Resistance of Concrete Using Partial Replacement of Coarse Aggregate with Rubber”*, Jordan Journal of Civil Engineering, Vol. 10(2), 2016, pp. 145 - 162.

**Venu Malagavelli**, Srinivas Angadi, J S R Prasad and Subodh Joshi, *“Influence of Metakaolin in Concrete as Partial Replacement of Cement”*, International Journal of Civil Engineering and Technology, Vol. 9(7), 2018, pp. 105-111.

Pitta Archana and **Venu Malagavelli**, *“Destructive and non-destructive evaluation of geopolymers concrete”*, International Journal of Civil Engineering and Technology, Vol. 9(9), 2018, pp. 271-279.

Dhangar Laxmi Balappa and **Venu Malagavelli**, *“Pushover analysis of high rise buildings with and without bracings”*, International Journal of Civil Engineering and Technology, Vol. 9(9), 2018, pp. 759-767.

Srinivas Angadi , K Sudhakar Reddy, S Selvaprakash, J S R Prasad and **M Venu**, *“Experimental Studies on Structural Behaviour of Hybrid Fibre Reinforced Concrete”*, Materials Science and Engineering, Vol. 431(4), 2018, pp. 1-8.

K Sudhakar reddy, Srinivas Angadi, B Sivakonda reddy, T Chandrasekhar reddy and **Venu Malagavelli**, *“Flexural behaviour of cement added geopolymers concrete”*, Materials Science and Engineering, Vol. 431(9), 2018, pp. 1-8.

**Venu Malagavelli**, *“Investigative Studies on use of Silica fume as a Mineral Admixture in the Concrete”*, Global Journal of Engineering Science and Researches, I-CONCEPTS-18, 2018, pp. 127-134.

K. B. Sankeerthan Reddy, J.S.R Prasad, **Venu Malagavelli**, *“Durability and Physical Properties of Glass Fiber Reinforced Concrete Subjected To Elevated Temperatures”*, International Journal of Innovative Technology and Exploring Engineering, Vol. 8(11), 2019, pp. 3845-3848.

Keshav Krishna Molugu Venugopal, **Venu Malagevelli**, J.S.R. Prasad, *“ Hardened Properties of Concrete Containing Copper Slag, Rock Dust and Polypropylene Fiber”*, International Journal of Innovative Technology and Exploring Engineering, Vol. 8(12), 2019, pp. 2226-2233.

Md Mujeeb, J S R Prasad, **Venu Malagavelli**, *“Performance of Fluid Viscous Dampers on Seismic Response of RCC Structures”*, International Journal of Innovative Technology and Exploring Engineering, Vol. 8(12), 2019, pp. 3685-3691.

Pogadadanda Prathyusha, **Venu Malagavelli** and J. S. R. Prasad, “*Efficacy of Glass Fiber Reinforced Concrete by using Supplementary Cementitious Materials*”, International Journal of Innovative Technology and Exploring Engineering, Vol. 8(12), 2019, pp. 4262–4268.

P. Akhil Kumar, **Venu Malagavelli** and J.S.R Prasad, “*Vitality of Steel and Polypropylene Fibers in High Strength Concrete*”, International Journal of Innovative Technology and Exploring Engineering, Vol. 8(12), 2019, pp. 4673–4676.

U. Mahesh Kumar, Suraj Baraik and **Venu Malagavelli**, “*Strength Properties of Concrete by using Flyash, Quarry Dust and Crumb Rubber*”, International Journal of Innovative Technology and Exploring Engineering, Vol. 9(1), 2019, pp. 1290–1294.

Khonaboina Sandeep Kumar, J.S.R. Prasad and **Venu Malagavelli**, “*Non-Linear Static Analysis of RCC Framed Structures with and Without Infill Walls*”, International Journal of Innovative Technology and Exploring Engineering, Vol. 9(1), 2019, pp. 1962–1967.

Shital Mohan Rao Bhandare, J.S.R Prasad and **Venu Malagavelli**, “*Concrete mix design by partial surrogation of conventional aggregates with fabricated aggregates*”, International Journal of Innovative Technology and Exploring Engineering, Vol. 9(3), 2020, pp. 1 –10.

**Venu Malagavelli**, Bala Krishna Chetlapally, Prasad Bollini, “*Delay Analysis of Raw Water Reservoir and Pumping Station*”, International Journal of Engineering and Advanced Technology, Vol. 9(3), 2020, pp. 381 – 387.

Rami Reddy Madhuri, Gandham Prasanna, **Venu Malagavelli**, D. Prince Kamal Kiran, “*Principles, Procedures and Policies Adopted in Improvement and Widening of Roads (Sh-88)*”, International Journal of Engineering and Advanced Technology, Vol. 9(3), 2020, pp. 3200 – 3204.

Sravani. K, Sindhu. K, Soumya. J, **Venu Malagavelli** and Ch. Balakrishna, “*Study of Quality Control and Site Execution on Monolithic Buildings using Mivan Technology*”, International Journal of Engineering Science and Computing, Vol. 10(6), 2020, pp. 26369 – 26372.

Siva Rama Krishna, S., **Malagavelli, Venu** and Vani, V.S., “*Effect of heat on mechanical properties of ternary blended recycled aggregate self-compacted concrete*”, Materials Today: Proceedings, Vol. 38, 2020, pp. 3345 – 3350.

Sumith Vangara, S Siva Rama Krishna, **Venu Malagavelli**, K.Tarunkumar, A. Jagadish Babu, “*Strength And Durability Properties Of Steel Fiber Reinforced Self-Compacting Concrete*”, Turkish Journal of Computer and Mathematics Education, Vol. 12(5), 2021, pp. 818 – 826.

Kothireddy Akhil Reddy, Dr. J.S.R. Prasad and **Dr. Venu Malagavelli**, “*Comparative Study of Multi-Storey RC Building With And Without Base-Isolation*”, Elementary Education Online, Vol. 20(5), 2021, pp. 8 – 16.

Seema Fathima, V. Alivelu Mangamma and **Dr. Venu Malagavelli**, “*Experimental Investigation on Partial Replacement of Sand With M-Sand and Cement With Dolomite Powder In Cement Concrete*”, Elementary Education Online, Vol. 20(5), 2021, pp. 6587 – 6599.

V. Sneharika, Dr. J.S.R. Prasad and **Dr. Venu Malagavelli**, “*Study on Seismic Performance of Regular and Irregular Buildings with and Without Vertical Set Back*”, Elementary Education Online, Vol. 20(5), 2021, pp. 6701 – 6715.

Kusuma Mounika, K. Anand goud and **Dr. Venu Malagavelli**, “*Study on Workabilty And Strength Of M35 Grade Self-Compacting Concrete By Using Plastic Waste And Alccofine Materials*”, Elementary Education Online, Vol. 20(6), 2021, pp. 27 – 37.

Dasari Chaitanya, Dr. J.S.R. Prasad and **Dr. M Venu**, “*Seismic Evaluation of Reinforced Concrete Building*”, Elementary Education Online, Vol. 20(6), 2021, pp. 38 – 45.

**Venu Malagavelli**, S Siva Rama Krishna, A Jagadish Babu and Ch Bala Krishna, “*Investigative study of Periodic Thermal and Mechanical Characteristics of Fiber Reinforced Concrete*”, IOP Conf. Series: Earth and Environmental Science, Vol. 822, 2021, pp. 1-8.

**Venu Malagavelli**, S Siva Rama Krishna, K Tarun Kumar<sup>1</sup> and M Siva Chennakesava Rao, “*Strength Parameters of Blended Recycled Aggregate for M40 Self-Compacted Concrete*”, IOP Conf. Series: Earth and Environmental Science, Vol. 822, 2021, pp. 1-8.

## Book Chapters

**Venu Malagavelli**, A. Jagadish Babu, S. Siva Rama Krishna and V. Suryaprakash Reddy, *“Development of Novel Concrete for Recharging the Ground Water Levels in the Rocklands of Urban Areas”*, Smart Innovation, Systems and Technologies, SPRINGER, Vol. 265, pp. 317 – 326.

## International Conferences

Vishal, S. J., **Venu, M.**, Vivek, T. and Kumar, M. *“Natural Disaster Management in 21st Century: Role of Science and Technology”*, Proceedings of Second Conference on Disaster Management Case Histories, organized by Birla Institute of Technology & Science, Pilani, Rajasthan, India, Nov 2003.

**Venu, M.**, Padmavathi, V. and Rao, P. N. *“Effects of admixtures in concrete mix design”*, Proceedings of International Conference on Advances in Concrete, Structural and Geotechnical Engineering (ACSGE-2009), October 25-27, Birla Institute of Technology & Science, Pilani, Rajasthan, India.

**M. Venu**, P.N.Rao and V. Padmavathi, *“High Performance Concrete - Role of Admixtures”*, Proceedings of International Conference on Materials, Mechanics and Management (IMMM-2010), January 14-16, College of Engineering Trivandrum, Thiruvananthapuram, Kerala.

**Venu Malagavelli** and P. N. Rao, *“Behavior of HDPE Fiber Reinforced Concrete”*, Proceedings of International Conference on Current Trends in Technology (NUICONE - 2010), December 09 - 11, Nirma University, Ahmedabad, Gujarat.

**M. Venu**, R. Udaykiran and R. Kiranmai, *“A Robust Neural Network Classifier to Model the Compressive Strength of High-Performance Concrete Using Feature Subset Selection”*, Proceedings of ACM COMPUTE 2012, January 23-24, Pune, India.

**Venu Malagavelli** and P. N. Rao, *“Durability and Strength Characteristics of Fiber Reinforced Concrete”*, Proceedings of 11<sup>th</sup> International Conference on Concrete Engineering and Technology 2012 (CONCET 2012), June 12 - 13, University of Malaya, Malaysia, pp. 188 - 193 (ISBN 978-967-0380-12-4).

R. Udaykiran, **M. Venu** and Masaru Kitsuregawa, *“Selecting an Appropriate Data Mining Algorithm to Model the Compressive Strength of High-Performance Concrete”*, proceedings of 10th International Conference on Advances in Steel Concrete Composite and Hybrid Structures (ASCCS 2012), July 2 - 4, NUS, Singapore.

G. Mithun Murthy and **M. Venu**, "*Recent Advances in Recycled Aggregate Concrete – A Review*", Proceedings of International Conference on Advances in Architecture and Civil Engineering 2012 (AARCV 2012), June 21 – 23, M.S. Ramaiah Institute of Technology, Bangalore, India, Vol. 1, pp. 72 – 76.

Abhijeet S. Gandage, V.Vinayaka Ram, M.V.N. Sivakumar, A. Vasani, **M. Venu** and A.B. Yashwant, "*Optimization of Class C Fly ash dosage in SCC for pavement applications*", Proceedings of the International Conference on Innovations in Concrete 2013, October 23 – 26, Indian Concrete Institute (ICI), Hyderabad, India, pp. 213 – 226.

Prasanth Abraham Manalel, **Malagavelli Venu**, "*Prediction Of Compressive Strength Of Admixture-Based Self-Compacting Concrete Using Fuzzy Logic*" Proceedings of International Conference on Computational Systems in Engineering and Technology (ICCSET 2014), Sri Venkateswara College of Engineering, Chennai, India, pp. 44 – 49.

Prasanth Abraham Manalel, **Malagavelli Venu**, T. Mithun, "*Mechanical and Durability Properties of Recycled Aggregate Concrete*", Proceedings of 3rd International Conference on Recent Trends in Engineering & Technology (ICRTET'2014) SNJB's Late Sau Kantabai Bhavarlalji Jain College of Engineering, Chandwad, Nashik, India.

**Malagavelli Venu** and Prasanth Abraham Manalel, "*Studies on Acid Resistance of Recycled Aggregate Concrete*", Proceedings of International Conference on Sustainable Civil Infrastructure (ICSCI 2014), IIT Hyderabad, India.

**Venu Malagavelli**, V. Navaneetha, and B. Prasad, "*Influence of Acid Curing on Mechanical Properties of High Strength Concrete with Supplementary Materials*", Proceedings of International Conference on Innovations in Structural Engineering (ICISE 2015), December 13 – 15, 2015, Osmania University, Hyderabad, India.

**Venu Malagavelli**, Jaison Joy Memadam and Arega B Eadema, "*Strength characteristics of concrete using waste Rubber as replacement of coarse aggregate*", Proceedings of First International Conference on Recent Innovations in Engineering and Technology (ICRIEAT-2016), December 22-23, 2016, Aurora's Scientific, Technological and Research Academy, Hyderabad, India.

Jaison Joy Memadam, **Venu Malagavelli**, and Shanko Ayele Abera, "*Time – cost optimization in construction industry using improved genetic algorithm*", Proceedings of First International Conference on Recent Innovations in Engineering and

Technology (ICRIEAT-2016), December 22-23, 2016, Aurora's Scientific, Technological and Research Academy, Hyderabad, India.

**Dr. Venu Malagavelli** and Prasanth Abraham Manalel, "*Durability and Non-Destructive Evaluation of Self Compacting Concrete with Recycled Aggregates*", International Conference on Recent Advances in Materials, Mechanical and Civil Engineering (ICRAMMCE-2017), 1-2 June, 2017, MLRITM, Hyderabad, India.

**Dr. Venu Malagavelli**, Belayneh A, Subodh Joshi, Ashok Kumar S and Jaison J Memadam, "*Mechanical Properties and Non Destructive Evaluation of Concrete Containing Metakaolin as a Supplementary Material*", International Conference on Recent Advances in Materials, Mechanical and Civil Engineering (ICRAMMCE-2017), 1-2 June, 2017, MLRITM, Hyderabad, India.

K Sudhakarreddy, Srinivas Angadi, Dr. B Sivakonda reddy, Dr. T Chandrasekhar reddy and **Dr. Venu Malagavelli**, "*Flexural behavior of cement added geo polymer concrete*", 14<sup>th</sup> International Conference on Concrete Engineering and Technology 2018 (CONCET 2018), August 08 - 09, University of Malaya, Malaysia.

Srinivas Angadi, Dr. J S R Prasad and **Dr. M Venu**, "*Experimental Studies on Structural Behaviour of Hybrid Fibre Reinforced Concrete*", 14<sup>th</sup> International Conference on Concrete Engineering and Technology 2018 (CONCET 2018), August 08 - 09, University of Malaya, Malaysia.

**Venu Malagavelli**, "*Investigative Studies on use of Silica fume as a Mineral Admixture in the Concrete*", Proceedings of first International Conference on Civil Engineering Practices and Trends, CMR College of Engineering and Technology, 2018, December 21 - 22, pp. 145-153.

## **National Conferences**

**Venu Malagavelli**, V. Navaneetha, B. Prasad and P.N.Rao, "*Effect of Steel Fibers in High Strength Concrete with Silica Fume*", Proceedings of National Conference on Recent Research Advances in Civil Engineering (RRACE 2014), Osmania University, Hyderabad, India, pp.263-267.

Govindaraju Anand, Vanka Aruna, **Venu Malagavelli** and B. Prasad, "*Enhancement and Optimization of Bitumen Performance Using Binders*", Proceedings of National Conference on Recent Research Advances in Civil Engineering (RRACE 2014), Osmania University, Hyderabad, India, pp.54-58.



## Monographs

Title: **Dynamic Behavior of Layered Soil Stratum** (ISBN 978-3-8443-8004-0)  
Publisher: LAP Lambert Academic Publishing  
Year: 2011

Title: **Concrete with Non Bio Degradable Waste and Supplementary Materials**  
(ISBN 978-3-659-68231-5)  
Publisher: LAP Lambert Academic Publishing  
Year: 2015

## PROPOSALS

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Experimental and Numerical Investigations on Sandwiched Modular Multilayer Self-Compacted Cement Concrete Pavements, ABGST, Rs.10.00 lakhs, Co - Investigator, completed (October 2011 to November 2013).

## RESEARCH EXPERIENCE

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**BITS - Pilani, Hyderabad Campus, India.**

Department of Civil Engineering

### Geopolymer Concrete using Ground Granulated Blast furnace Slag (GGBS)

- Characterization of GGBS
- Development of Geopolymer concrete mixes using GGBS
- Strength and non-destructive evaluation of Geopolymer Concrete
- Mechanical properties of Geopolymer concrete subjected high temperatures

### Recycled Aggregate Concrete in Conventional and Self - Compacting Concrete

- Characterization of Recycled Aggregate
- Development of concrete mixes for both conventional concrete and SCC
- Strength and non-destructive evaluation of recycled aggregate concrete
- Durability of recycled aggregate concrete

### Concrete Using Partial Replacement of Coarse Aggregate with Rubber

- Development of Concrete with partial replacement of coarse aggregate with rubber
- Strength and non-destructive evaluation of rubberized concrete
- Impact resistance and thermal conductivity of rubberized concrete

### Development of concrete with industrial waste material

- Identify the industrial waste that will be suitable for the production of concrete (GGBS and ROBO sand)
- Characterization of supplementary materials for both cement and aggregate
- Development of concrete mixes with supplementary materials
- Mechanical properties of modified concrete and compared with normal concrete

#### Fiber reinforced concrete with supplementary materials

- Development of fiber reinforced concrete with waste plastic (plastic fibers)
- Strength properties of fiber reinforced concrete with supplementary materials

#### Durability properties of concrete with plastic fibers and supplementary materials

- Studies the durability of modified concrete under acid attack in terms of visual assessment, acid durability factor and acid attack factor.

### **Institute of Aeronautical Engineering, Hyderabad**

Department of Civil Engineering

#### Cement concrete with waste material

- Development of cement concrete with waste materials like foundry sand, flyash and GGBS.
- Thermal properties of concrete
- Transparent concrete

## **TEACHING EXPERIENCE**

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### **Institute of Aeronautical Engineering, Hyderabad**

Department of Civil Engineering

- Strength of Materials - I
- Mechanics of Materials
- Structural Analysis - II
- Design of Steel Structures and Drawing
- Advanced Structural Analysis and Design
- Advanced Structural Analysis (M. Tech)
- Structural Dynamics (M. Tech)

### **BITS - Pilani, Hyderabad Campus, India.**

Department of Civil Engineering

#### **Courses taught:**

- Mechanics of Solids
- Engineering Graphics
- Design of Reinforced Concrete Structures
- Design of Multi Storied Structures
- Advanced Steel Structures
- Structural Dynamics
- Measurement Techniques
- Concrete Technology Laboratory
- Surveying Laboratory
- Soil Mechanics Laboratory

## **PROFESSIONAL DEVELOPMENT**

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- Attended the Earthquake Engineering Review workshop for Masters Students at IIT Kanpur in 2003.
- Attended a seminar on Cost-Effective Options for Road Pavements by Dr. L. R. Kadiyali, 2009.
- Attended the Workshop on Compatibility Issues between cement and chemical admixtures in concrete at IIIT Hyderabad, Andhra Pradesh, India in 2010.
- Attended a seminar on Need for Special concretes by Prof. Ravindra Gettu, 2010.
- Attended a seminar on Thermal Considerations in Massive Concrete Structures by Prof. M.S. Shetty, 2010
- National Symposium on Frontiers of Engineering- 2011 at IIT, Hyderabad in 2011.
- Participated and presented a paper in International Conference on Civil Engineering Building Materials (CEBM 2011) in China.
- Participated and presented a paper in 11<sup>th</sup> International Conference on Concrete Engineering and Technology 2012, Kuala Lumpur, Malaysia.
- Participated and presented a paper in ACM COMPUTE 2012.
- Attended the QIP-CEP course on Finite Element Analysis of Structures with MATLAB and ABAQUS based simulations at IIT Delhi during 23rd July to 27th July 2012.
- Participated the Workshop on Research Methodology at BITS Pilani, Hyderabad Campus April 11 - 12, 2014.
- Participated and presented a paper in International Conference on Sustainable Civil Infrastructure (ICSCI 2014), IIT Hyderabad.
- Participated and presented a paper in National conference on Recent Research advances in Civil Engineering (RRACE 2014), Osmania University, Hyderabad.

## **AWARDS**

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- Secured state 60<sup>th</sup> rank in ECET - 1997 conducted by Andhra Pradesh State Technical Education Board, India.
- Received GATE fellowship from MHRD, India for doing Masters.
- Member in the "Runner-up Team" of the earthquake engineering quiz organized by IIT Kanpur in March 2003.
- Received sponsorship from Department of Science and Technology (DST), India for attending the 2011 International Conference on Civil Engineering Building Materials (CEBM 2011) in China.
- Received travel fellowship from Centre for International Co-operation in Science (CICS), India to present a paper in 11th International Conference on Concrete Engineering and Technology 2012, Kuala Lumpur, Malaysia.

## **PROFESSIONAL AFFILIATION**

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Institution of Engineers, India (IEI)  
Indian Society for Technical Education (ISTE)  
Indian Concrete Institute (ICI)  
Indian Institute of Bridge Engineers (IIBE)  
International Association of Engineers (IAENG)  
International Association of Computer Science and Information Technology (IACSIT)  
International Society for Research and Development (ISRDI)  
International Association for Automation and Robotics in Construction (IAARC)  
Institute of Research Engineers and Doctors (IRED)  
Indian Society of Remote Sensing (ISRS)

## **TECHNICAL / ORGANIZING COMMITTEE**

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- Conference on Sustainable water Resources Management and Impact of Climate change, BITS - Pilani, Hyderabad Campus, 2010.
- Workshop on Green Building Practices and Impact on Environmental Performance, BITS - Pilani, Hyderabad Campus, 2010.
- Workshop on Recent Advances in Climate Modeling for Water Resources Planning and Management, BITS - Pilani, Hyderabad Campus, 2011.
- 2012 International Conference on Civil Engineering Building Materials (CEBM 2012) in Hong Kong, China.
- 2013 International Conference on Civil Engineering and Environmental Sciences (CEES 2013), in Hong Kong, China.
- National Conference on Sustainable water Resources Planning, Management and Impact of Climate change, BITS - Pilani, Hyderabad Campus, 2013.

## **PEER REVIEW ACTIVITY**

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### **EDITORIAL BOARD MEMBER**

International Journal of Civil Engineering Building Materials  
International Journal of Civil Engineering Research  
Asian Journal of Material Science

### **REVIEWER**

- International Conference on Civil Engineering Building Materials 2011 (CEBM 2011), China.
- First International Conference on Engineering and Technology Innovation 2011 (ICETI2011), Taiwan.
- International Journal of Advances in Civil Engineering, Hindawi Publishing Corporation.

- Indian Journal of Science and Technology
- International Greener Journal
- International journal of Polymer – Plastics Technology and Engineering, Taylor & Francis Publishing
- Materials Today: Proceedings, ELSEVIER
- Journal of Cleaner production, ELSEVIER
- SN Applied Sciences, SPRINGER

## **DEPARTMENTAL/UNIVERSITY SERVICE**

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### **Institute of Aeronautical Engineering, Hyderabad, India**

Department of Civil Engineering

- Central Library Committee member
- Screening Committee Member for Student Innovative Project Proposals (SIPP)
- Project evaluation committee member CONCOCT
- Internal Examiner for M. Tech project viva-voce

### **BITS – Pilani, Hyderabad Campus, India.**

Department of Civil Engineering

- Concrete Technology and Surveying Laboratory In charge
- Campus construction quality team member
- Warden and Non-Resident warden for the men’s hostel
- Exam committee member for the Work Integrated learning Programs

## **STUDENTS GUIDANCE**

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### **M.E./ M. Tech. Students (Completed)**

Mithun Moorthy (Area: Recycled Aggregate Concrete)  
 Prasanth Abraham Manalel (Area: Recycled Aggregate SCC)  
 Rajnish Singh parmar (Area: Rubberized Concrete)  
 Bishenjit Grewel (Area: Geopolymer Concrete)  
 Pitta Archana (Area: Geopolymer Concrete)  
 Dhangar Laxmi Balappa (Area: Pushover Analysis)  
 K. B. Sankeerthan Reddy (Area: Glass fiber reinforced concrete)  
 Pogadadanda Prathyusha (Area: Glass fiber reinforced concrete with supplementary materials)  
 Keshav Krishna Molugu Venugopal (Area: Concrete with copper slag)  
 P. Akhil Kumar (Area: Concrete with polypropylene fibers)  
 U. Mahesh Kumar (Area: Concrete with light weight aggregates)  
 G. Poojitha (Area: Seismic analysis of overhead water tank)

### **B.E./B.Tech. Students (Completed)**

T. Kalyan, T. Shravan, B. Kranthi and P. Abhilash, "Development of concrete with ROBO sand and waste steel dust".

P. Vinay Kumar, D. Harish, M. V. Charan and P. Jithin Varma, "Mechanical Properties Glass Fiber Reinforced Concrete".

Subodh Joshi, S. Ashok Kumar, M. Shiva Teja and K. Rajendhar, "Development of High strength concrete with Recycled Aggregate using Metakaolin".

T. Mithun, "Strength and Durability of Recycled Concrete".

M. Sai Vikram Reddy, "Design and Analysis of Asymmetrical Building".

G. Bhargav Kumar Reddy, "Application of ANN to Predict the Concrete Strength".

K. Satyanarayana, "Strength characteristics of Geo Polymer Concrete".

V. Ravish Kumar, "Study of Green Buildings".

M.V.S. Mahesh, "Role of Quality Control in the construction of a University Campus".

Md. Javeed and Abhiraj, "Planning of Monitoring of a University Construction - A case Study of BITS Pilani - Hyderabad Campus".