



## Dr. T. S. Ramesh Babu

Faculty Id	:	
Date of Birth	:	30 July, 1986.
Designation	:	Associate Professor.
Years of Experience	:	Teaching : 5 years Industry : 8 years
Email Id	:	rams134.reddy@gmail.com
Phone Number	:	9966501144
Faculty Web Page	:	
Employment Status	:	Full Time - Ratified by JNTUH
Areas of Specialization	:	<ul style="list-style-type: none"><li>• Advanced construction materials.</li><li>• Green concrete and smart materials.</li><li>• Experimental Studies on various concrete Problems.</li><li>• Numerical Modeling in concrete structures.</li><li>• Site Investigation Studies.</li><li>• Quality Control of concrete.</li><li>• Advanced designing of concrete structures with smart materials.</li></ul>
UG Degree	:	CIVIL ENGINEERING,2010, SKIT, Chittoor, A.P.
PG Degree	:	Structural Engineering, 2013, Malla Reddy Engineering College, Hyderabad, Telangana.
Ph.D	:	Structural Engineering, 2018, VIT, Vellore.
Ph.D Thesis topic	:	Comparative Study of Class C and Class F Fly Ash with Natural Admixture on Properties of Concrete.
UG Subjects Taught	:	Engineering Mechanics, Strength of Materials, Concrete Technology, Design & drawing of Reinforced concrete structures, Design & drawing of Steel structures, Estimation Costing and Valuation, Advanced structural analysis, Advanced Structural design, Design & drawing of Irrigation

	structures, and Bridge Engineering.
PG subjects Taught	: Theory of Elasticity and Plasticity, Advanced Concrete Technology and Advanced steel structures.
Projects handled (Consultancy)	: <p style="text-align: center;"><b><u>Owner &amp; Contractor:- T.R.K. Rao</u></b></p> <ol style="list-style-type: none"> <li>1. Design of Still+7 floors structure. "Sri Balaji Residency" New Balaji Colony, Tirupati, Chittoor – dist, A.P. It consists of Still+7 floors Commercial cum residential apartment.</li> <li>2. Design of G+5 floors structure. "Gokul Residency" Bhavani Nagar, Tiupati, Chittoor – dist, A.P. It consists of G+5 floor residential apartment.</li> <li>3. Design of Cellar+7floors structure. "Sri Balaji Avenue" Reingunta, Tiurpati Chittoor – dist, A.P. It consists of Cellar+7 floors Commercial cum Residential apartment.</li> </ol> <p style="text-align: center;"><b><u>Owner &amp; Contractor:- Srinivasulu. R (Image consultancy)</u></b></p> <ol style="list-style-type: none"> <li>4. Designing and preparation of bar bending schedule for G+5 floors structure. "Kanaka Durga Residency" Greemspet, Chittoor, A.P. It consists of G+5 floor residential apartment.</li> <li>5. Designing and preparation of bar bending schedule for G+5 floors structure. "Adithya towers" in Kongareddypalli, Chittoor – dist, A.P. It is a G+5 floors apartment.</li> </ol> <p style="text-align: center;"><b><u>Clint:- Kottam Tulasinath Reddy.</u></b></p> <ol style="list-style-type: none"> <li>6. Designing of "Kottam Karunakara Reddy Institute Of technology" &amp; "Kottam College of Engineering" in Chennatekur compass, Kallur Mandal, Kurnool, A.P.</li> </ol> <p style="text-align: center;"><b><u>Owner &amp; Contractor:- A. Nandhan (Academy of construction)</u></b></p> <ol style="list-style-type: none"> <li>7. Designing and preparation of bar bending schedule for G+4 floors structure. "Abinandhan Residency" Nallagunta, Hyderabad. It consists of G+5 floor residential apartment.</li> <li>8. Designing and preparation of bar bending schedule for G+3 floors residential building. "Nagendra building" in Gaganvihar colony, Hyderabad. It is a G+3 floors residential building.</li> <li>9. Designing and preparation of bar bending schedule for G+7 floors structure. "Jaya Reddy buildings" Madhapur, Hyderabad. It consists of G+7 floor commercial complex.</li> <li>10. Designing and preparation of bar bending schedule for G+5 floors structure. "Abi Residency" ECIL, Hyderabad. It consists of G+5 floor residential apartment.</li> </ol>

## Papers Published:

### International Journals

- ☞ **Ramesh Babu, T. S.** and Raja Sekhar, P. “*STUDIES ON BAMBOO AS REINFORCING MATERIAL IN CONCRETE BEAM*” National conference conducted in Malla Reddy Engineering College in Sep-2013.
- ☞ **Ramesh Babu, T. S.,** Neeraja, D., Omkar, G. and Nirosh, V. “*STRENGTH PROPERTIES OF CONCRETE WITH PARTIAL REPLACEMENT OF FINE AGGREGATE BY SCRAP TIRE*”. International Journal of Engineering Research. Vol. 3, Issue.1, 2015, pp 196-202.  
(<http://ijer.in/3.1.15/T.%20S.%20RAMESH%20BABU%20196-202.pdf>).
- ☞ **Ramesh Babu, T. S.** and Neeraja, D.,. “*RICE HUSK ASH AS SUPPLEMENTARY MATERIAL IN CONCRETE – A REVIEW*” International journal of Chem Tech Research, Vol (9)., No.5, May 2016, pp 332-337.  
([http://www.sphinxesai.com/2016/ch\\_vol9\\_no5/1/\(332-337\)V9N5CT.pdf](http://www.sphinxesai.com/2016/ch_vol9_no5/1/(332-337)V9N5CT.pdf))
- ☞ **Ramesh Babu, T. S.** and Neeraja, D. “*EFFECT OF NATURAL ADMIXTURE ON FRESH PROPERTIES AND COMPRESSIVE STRENGTH OF CLASS C FLY ASH BLENDED CONCRETE*”. Asian Journal of Civil Engineering. Vol 17, No. 3(2016), pp 373-384.  
(<http://ajce.bhrc.ac.ir/Journal-Volumes-Issues/agentType/View/PropertyID/6857>).
- ☞ **Ramesh Babu, T. S.,** Guru Jawahar, J., Venkat Kiran, P., Chiranjeevi, S., Surya Prakesh, M. and Purushotham Reddy, Y. “*AN EXPERIMENTAL STUDY ON EFFECT OF NATURAL ADMIXTURE ON MECHANICAL PROPERTIES OF CLASS C FLY ASH BLENDED CONCRETE*” Asian Journal of Civil Engineering Vol 17, No. 6(2016), pp 737-752.  
(<http://ajce.bhrc.ac.ir/Journal-Volumes-Issues/agentType/View/PropertyID/7784>).
- ☞ **Ramesh Babu, T. S.** and Neeraja, D. “*MECHANICAL PROPERTIES OF CLASS F FLY ASH BLENDED CONCRETE INCORPORATED WITH NATURAL ADMIXTURE*”, 18th International Conference on Structural Engineering, Construction and Management to be held in Dubai, UAE during May, 8-9, 2016.  
(<https://waset.org/abstracts?q=%20replacement%20time>)

- ☞ **Ramesh Babu, T. S. and Neeraja, D.** “A EXPERIMENTAL STUDY OF NATURAL ADMIXTURE EFFECT ON CONVENTIONAL CONCRETE AND HIGH VOLUME CLASS F FLY ASH BLENDED CONCRETE”. Case studies in Construction Building Materials / Elsevier. 6(2017)43–62.  
(<https://www.scribd.com/document/356177882/A-Experimental-Study-of-Natural-Admixture-Effect-on-Conventional-Concrete-and-High-Volume-Class-F-Flyash-Blended-Concrete>).
- ☞ **Ramesh Babu, T. S., Surendraj, V., Nirosha, D. and Guru Jawahar, J.** “EFFECT OF NATURAL ADMIXTURE ON COMPRESSIVE STRENGTH, FLEXURAL STRENGTH AND BOND STRENGTH OF CLASS C FLY ASH BLENDED CONCRETE STRENGTH PROPERTIES OF CONCRETE WITH PARTIAL REPLACEMENT OF FINE AGGREGATE BY SCRAP TIRE”. International Journal of Engineering Research. Vol. 4, Issue.4, 2016, pp 177-189.  
([https://www.academia.edu/29410959/T.S.\\_RAMESH\\_BABU.pdf?auto=download](https://www.academia.edu/29410959/T.S._RAMESH_BABU.pdf?auto=download)).
- ☞ **Ramesh Babu, T. S. and Neeraja, D.** “An Experimental Study on Mechanical Properties of Conventional Concrete Low Calcium Fly Ash Blended Concrete Incorporation with Natural Admixture”, International journal of Chem Tech Research. Vol. 10, Issue. 7, pp. 461-476.  
([http://www.sphinxesai.com/2017/ch\\_vol10\\_no7/2/\(461-476\)V10N7CT.pdf](http://www.sphinxesai.com/2017/ch_vol10_no7/2/(461-476)V10N7CT.pdf)).
- ☞ **Ramesh Babu, T. S., Neeraja, D., Daniel, M. and Warabo, U.** “EFFECT OF NATURAL ADMIXTURE ON DURABILITY PROPERTIES OF CONVENTIONAL AND FLY ASH BLENDED CONCRETE”. *American Journal of Engineering Research*. Vol. 6, Issue. 10. pp. 321-333.  
([http://www.ajer.org/papers/v6\(10\)/ZQ0610321333.pdf](http://www.ajer.org/papers/v6(10)/ZQ0610321333.pdf)).
- ☞ **Ramesh Babu, T. S., Neeraja, D., Warabo, U. and Daniel, M.** “COMPARISON BETWEEN CLASS C AND CLASS F FLY ASH BLENDED CONCRETE”. Second National Conference on Engineering, Science and Technology in industrial applications and Significance of Free Open Source Softwares, NCESTFOSS 2017 in KG Reddy College of Engineering and Technology, Moinabad, Hyderabad, T.S.
- ☞ **Ramesh Babu, T. S. and D. Neeraja,** “EFFECT OF NATURAL ADMIXTURE ON DURABILITY PROPERTIES OF CONVENTIONAL AND HIGH CALCIUM FLY ASH BLENDED CONCRETE”. *The Indian Concrete Journal*, Special issue, Vol. 92, No.4, April – 2018. pp. 70-79.  
([https://icjonline.com/main\\_2018.04\\_Apr\\_List\\_n\\_Abstracts.htm](https://icjonline.com/main_2018.04_Apr_List_n_Abstracts.htm)).

### **Papers reviewed as Reviewer**

“Study of Mechanical and Physical Properties of Lime Mortar with the Inclusion of Egg Albumen”, **International Journal of Technology (IJTech)**. p-ISSN : 2086-9614, e-ISSN 2087-2100. (Scopus journal).

### **Membership/Participations:**

- ☞ Membership in Structural Engineers Form of India.
- ☞ Participated in 10 days workshop conducted by IIT Bombay on “Research Methodologies” at Malla Reddy College of Engineering, Maisammaguda, Secunderabad, A.P.
- ☞ Participated in 2 days workshop “Design Of Seismic Resistant Structures” at JNTUH, Hyderabad conducted by Soft tech solution.

### **Workshops attended:**

- ☞ Two days Workshop conducted in Malla Reddy Engineering College on “Design of Seismic resistant high rise building” by TEQUEIP founds.
- ☞ Two days Workshop conducted on “Design of Seismic resistant structures by using Struds software” in Osmania University.
- ☞ One day Workshop conducted in Malla Reddy Institute of Technology on “Advanced Construction technologies” by TEQUEIP founds.

### **Achievement**

- ☞ I won prize money from Ultratech in 2009 for got highest scoring in Concrete Technology.
- ☞ I received best “**Young Engineer**” award from Ultratech in 2013.

### **Books Published:**

None

### **Research Projects Undertaken:**

None