

1. Name : **S. THIRUGNANASAMBANDAM**
2. Father's Name : **S.V. SENNIAPPAN**
3. Designation : **Professor**
4. Department : **Civil and Structural Engineering**
5. University Token Number : **04259**
6. Qualification(s) : **B.E., M. E., Ph.D.**
7. Field of Specialization : **Structural Engineering**
8. Sex : **Male**
9. Date of Birth & Age : **08.05.1967 & 52 years**
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14. Academic Qualifications



Examinations	Year of passing	Percentage of marks obtained	Division/ Class
B.E (Civil Engineering)	1991	71.07%	First Class
M.E (Structural Engineering)	1997	76.60%	First Class with Distinction, University Gold medalist
Ph.D (Structural Engineering)	2006	--	--

15. Experience :

Sl. No.	Name and address of the College / University	Designation	No. of years	
			From	To
1	Kongu Engg. College, Perundurai,	Lecturer	11.06.1997	14.7.1999

2	Annamalai University, Annamalainagar	Lecturer	15.07.1999	10.06.2002
3	Annamalai University, Annamalainagar	Lecturer (Senior Scale)	11.06.2002	31.03.2006
4	Annamalai University, Annamalainagar	Reader	01.04.2006	31.03.2009
5	Annamalai University, Annamalainagar	Associate Professor	01.04.2009	30.04.2013
6	Annamalai University, Annamalainagar	Professor	01.05.2013	Till date

Teaching : **22 years**

Research : **20 years**

16. Publications :

International Journals : **33**

National Journals : **08**

International /National Conferences : **56**

Total Number of Research Publications : 97

List of papers published in Journals (2014 – 2019)

1. Kumaravel. S, Thirugnanasambandam. S and Antony Jeyasehar. C., "Flexural behavior of geopolymer concrete beams with GGBS", **The IUP Journal of Structural Engineering**, Hyderabad, Vol. 7, Issue No. 1. pp 45-54, ISSN : 0974-6528, January, 2014.
2. C.Venkatachalapathy, S.Thirugnanasambandam, "Behaviour of Lightweight aggregate concrete beams", **The IUP Journal of Structural Engineering**, Hyderabad, Vol. 7, Issue No. 1, pp 34-44, ISSN : 0974-6528, January, 2014.
3. C.Venkatachalapathy, S.Thirugnanasambandam, "Behaviour of Lightweight aggregate concrete beams", **The IUP Journal of Structural Engineering**, Hyderabad, Vol. 7, Issue No. 1, pp 34-44, ISSN : 0974-6528, January, 2014.
4. Y. Stalin Jose, S. Thirugnanasambandam, " Retrofitting of reinforced concrete beams by using CFRP Laminates", **International Journal of Earth Sciences and Engineering**, Vol. 07, pp 910 – 914, 2014.

5. Y. Stalin Jose, S. Thirugnanasambandam, “ Flexural Strengthening of RC beams by using CFRP sheets”, **International Journal of Advanced Research in Engineering and Technology**, Vol. II, pp 49 – 54, 2015.
6. R. Balamuralikrishnan, S. Thirugnanasambandam, “Repair and Rehabilitation of Structures”, **International Journal of Applied Research**, Vol.2, No.8, Part I, pp 558-564, P-ISSN: 2394-7500, E-ISSN: 2394-5869, 2016.
7. S. Annamalai, S. Thirugnanasambandam, K. Muthumani, “Flexural Behaviour of Geopolymer Concrete Beams Cured Under Ambient Temperature”, **Asian Journal of Civil Engineering (BHRC)**, Vol.18, No.4, pp. 621-631, P- ISSN: 1563-0854, E-ISSN: 1744-9952, 2017.
8. R. Anu, S.Thirugnanasambandam,” Geopolymer Bricks”, **International Journal of Engineering and Advanced Engineering**, Vol. 8, No.6, pp 124-131, ISSN: 2250-2459, 2018.
9. N. Suganya, S. Thirugnanasambandam, “Steel Slag as Coarse Aggregate in Concrete”, **International Journal of Engineering and Advanced Engineering**, Vol. 8, No.6, pp 137-141, ISSN: 2250-2459, 2018.
10. S. Dhavamani Doss, S. Thirugnanasambandam, “Geopolymer Concrete – An alternative to Cement Concrete: A Review”, **International Journal of Engineering and Advanced Engineering**, Vol. 8, No.6, pp 124-131, ISSN: 2250-2459, 2018.
11. S. Kumaravel, S. Selvamuthukumar S. Thirugnanasambandam, “Long – Term Strength of Geopolymer Concrete”, **Journal of Emerging Technologies and Innovative Research (JETIR)**, Vol. 5, issue 11, pp 334 - 337, ISSN No. **2349-5162**, 2018.
12. Parthiban. B, S. Thirugnanasambandam, “Eco-friendly Geopolymer concrete using recycled waste glass as fine aggregate”, **International Journal of Recent Scientific Research**, Vol. 9, Issue 11 (c), pp 29660 – 29664, ISSN: 0976-3031, 2018.
13. Parthiban. B, S. Thirugnanasambandam, “Durability study on Eco-friendly Geopolymer concrete using recycled waste glass as aggregate”, **International Journal for Research in Applied Science & Engineering Technology**, Vol. 6, Issue XI, pp 147 - 151, ISSN: 2321-9653, 2018.
14. Parthiban. B, S. Thirugnanasambandam, “Study on Recycled Waste Glass Fine Aggregate”, **International Journal of Engineering Science Invention**, Vol. 7, Issue 10, pp 23 – 28, ISSN (Online): 2319-6734, ISSN (Print): 2319-6726, 2018.
15. Parthiban. B, S. Thirugnanasambandam, “Using recycled waste glass as coarse aggregate in concrete”, **Journal of Emerging Technologies and Innovative Research**, Vol. 5, Issue 9, pp 409 – 415, ISSN No. 2349-5162, 2018.

16. N. Suganya, S. Thirugnanasambandam, " Geopolymer Concrete using Scrap Steel Slag as Coarse Aggregate", **International Journal for Research in Applied Science and Engineering Technology**, Vol. 7, issue 1, pp 781- 785 ISSN No. 2321-9653, 2019.
17. Parthiban. B, S. Thirugnanasambandam, "Study on Duraability Characteristics of Recycled Waste Glass as Coarse Aggregate in Concrete", **International Journal of Research And Analytical Reviews (Ijrar)**, Vol. 6, Issue 1, pp 1027 - 1032, E-ISSN No. 2349 – 5138, P-ISSN NO. 2349-5138, 2019.
18. Parthiban. B, S. Thirugnanasambandam, "Durability Study on Recycled Waste Glass Fine Aggregate Concrete", **Journal of Emerging Technologies and Innovative Research (JETIR)**, Vol. 6, Issue 1, pp 763 - 768, ISSN No. 2349-5162, 2019.
19. Parthiban. B, S. Thirugnanasambandam, "Durability Aspects of Recycled Waste Glass Fine Aggregate In Geopolymer Concrete", **International Journal for Research in Applied Science & Engineering Technology**, Vol. 7, Issue 1, pp 569 - 575, ISSN : 2321-9653, 2019.
20. N. Suganya, S. Thirugnanasambandam, " Experimental Investigation on Low Calcium Fly Ash based Geopolymer Concrete using Steel Slag as Coarse Aggregate", **Journal of Emerging Technologies and Innovative Research (JETIR)**, Vol. 6, issue 2, ISSN No. 2349-5162, 2019.
21. R. Raghulkumar, S.Thirugnanasambandam," Study on Conventional and Geopolymer Bricks", **Journal of Emerging Technologies and Innovative Research (JETIR)**, Vol. 6, issue 2, pp 370-375, ISSN No. 2349-5162, 2019.
22. R. Dhinesh, S.Thirugnanasambandam," Development of Ambient Cured Geopolymer Concrete ", **Journal of Emerging Technologies and Innovative Research (JETIR)**, Vol. 6, issue 2, pp 376-381, ISSN No. 2349-5162, 2019.
23. R. Anu, S.Thirugnanasambandam," Geopolymer Bricks Using M-Sand", **Journal of Emerging Technologies and Innovative Research (JETIR)**, Vol. 6, issue 2, pp 309-314, ISSN No. 2349-5162, 2019.
24. N. Suganya, S. Thirugnanasambandam, " Mechanical Properties of Ordinary, Standard and High Strength Concrete using Scrap Steel as Coarse Aggregate", **International Journal of Innovative Technology and Exploring Engineering (IJITEE)**, Vol. 8, issue 5, pp 585- 589, ISSN No. 2278-3075, 2019.
25. S. Dhavamani Doss, S. Thirugnanasambandam, "Performance of Ferrogeopolymer Slab Panels", **Journal of Emerging Technologies and Innovative Research (JETIR)**, Vol. 6, issue .4, pp 631-635, ISSN No. 2349-5162, 2019.
26. Parthiban. B, S. Thirugnanasambandam,"Flexural behaviour of recycled wast glass fine aggregate concrete beams", **International Journal of Innovative Technology**

and Exploring Engineering (IJITEE), Vol. 8, Issue – 6S4, pp 89-95, ISSN No. 2278-3075, 2019.

27. R. Anu, S. Thirugnanasambandam, “ Behaviour of two storey RC Frame subjected to lateral load”, **International Journal of Innovative Technology and Exploring Engineering (IJITEE)**, Vol. 8, Issue – 6S4, pp 77-80, ISSN No. 2278-3075, 2019.
28. S. Annamalai, S. Thirugnanasambandam, K. Muthumani, “Behaviour of environment friendly green concrete beams using fly ash and furnace slag under cyclic loading”, **International Journal of Environment and Waste Management**, Vol.23, No.4, pp. 396 - 409, ISSN : 1478-9876, 2019.
29. Parthiban. B, S. Thirugnanasambandam, ”Flexural behaviour of geopolymer concrete beams using recycled waste glass as fine aggregate”, **International Journal of Innovative Technology and Exploring Engineering (IJITEE)**, Vol. 8, Issue – 6S4, pp 81-88, ISSN No. 2278-3075, 2019.
30. Parthiban. B, S. Thirugnanasambandam, “Flexural Behaviour of Geopolymer Concrete Beams using Waste Glass as Coarse Aggregate”, **International Journal of Engineering and Advanced Technology**, Vol. 9, Issue 1, pp 4479 – 4485, ISSN No. 2249-8958, 2019.
31. S. Dhavamani Doss, S. Thirugnanasambandam, “Study on High Strength Geopolymer Concrete with Alumina – Silica Materials using Manufacturing Sand”, **Silicon-Springer**, pp 1-12, ISSN No. 1876 - 990X, 2019.