

## CURRICULUM VITAE



**Name** : S.Samson  
**Father's Name** : Dr. T. K. Sisupalan (Late)  
**Date of Birth** : 04.03.1966  
**Sex** : Male  
**Passport** : Passport No: M 9910710, Coimbatore, India

### Address For Communication

Dr. S. SAMSON  
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64, Justice Rathinavel Pandian Road  
Golden George Nagar  
Mogapair, Chennai 600 107  
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Skype ID: samsonduke66

### EDUCATION AND CREDENTIALS

#### 1. Ph. D (Groundwater)

Anna University, Chennai (2011)  
PSG College of Technology, Coimbatore. 641 004.  
Supervisor - Dr K Elangovan.

#### 2.ME ( Structural Engineering)

Periyar University (2002)  
Govt College of Engineering, Salem 636 011.

**Percentage of Marks – 72.5 %**

#### 3.BE ( Civil Engineering)

University of Madras (1987)  
Govt College of Engineering, Salem 636 011.

**Percentage of Marks – 59.7 %**

#### 4. HSC ( Maths with Biology) (1983)

Govt Boys Higher Secondary School, Mettur Dam, Salem Dt  
**Percentage of Marks – 82 %**

**5. SSLC ( 1981)**

U.A. Appavoo Thevar Higher Sec School, Ammapet, Thanjavur Dt

**Percentage of Marks – 74.6 %**

**MEMBERSHIP IN PROFESSIONAL BODIES**

1. **Life Member** in Indian Society for Technical Education. Membership No: LM 79182
2. **Fellowship** in Institution of Engineers ( India), Membership No: F-116845-9
3. **Life Member** in Engineering Professional Society ( EPS ), Membership No: EPS/LM/VTU001

**PUBLICATIONS**

1. Kirubakaran,M. **Samson, S.** and Sasikumar,S. "A Geospatial Approach for Delineating the Artificial Recharge Sites in Salem City using AHP and CSI Techniques ", International Journal of Water and Energy, 2020
2. **Samson. S**, Geetha Selvarani A and Rajkumar M, "Behaviour of Micro Reinforced Concrete with Hooked End Steel Fibres subjected to Impact Loads", International Journal of Recent Technology and Engineering, Vol.8 (3), 2019
3. Geetha Selvarani A, **Samson S & Sivakumar C**, "Urbanization And Its Impact On Groundwater Using Remote Sensing And GIS-Based Techniques", Proc. of International Conference on Global Environmental Changes and Sustainable Development in Civil Engineering, VelTech Rangarajan Dr.Sangunthala R& D Institute of Science and Technology. April 4&5, 2019, ISBN : 978-93-88122-07-8
4. Geetha Selvarani A & **Samson S**, "Rejuvenate Groundwater Quality By Artificial Recharge Using GIS And Remote Sensing", Proc. of the Eighth International Conference On Advances in Applied Science and Environmental Engineering - ASEE 2018 Copyright © Institute of Research Engineers and Doctors. ISBN: 978-1-63248-143-6, 2018 doi: 10.15224/ 978-1-63248-143-6- 02
5. Geetha Selvani A. and **Samson. S**, "Environmental Impact Assessment By Using Rapid Impact Assessment Matrix (RIAM) For Solid Waste Management, For Gummidipoondi Taluk Thiruvallur District" International Conference On Fire safety & Green Technology, ASET College of Fire & Safety Engineering, Maduravoyal, Chennai, 14.12.2018 & 15.12.2018, pp.08.

6. Geetha Selvani A. and **Samson. S**, "Estimating And Plotting Of Groundwater Quality Using WQI In Erode District", International Conference On Global Environmental Changes and Sustainable Development, VelTech Rangarajan Dr.Sangunthala R& D Institute of Science and Technology, pp.64, 4 & 5.04. 2018
7. Gobinath G N, Geetha Selvani A. and **Samson. S**. "Valuation Of Ground Water Quality For Drinking And Irrigation Purposes In Erode District", International Conference On Global Environmental Changes and Sustainable Development, Vel Tech Rangarajan Dr.Sangunthala R& D Institute of Science and Technology, pp.12, 4 & 5.04. 2018
8. Kirubakaran,M. **Samson, S** and Colins Johnny.S J. "Modflow Based Groundwater Budgeting Using GIS in Tirunelveli taluk, South Tamil nadu,India", Journal of the Indian Society of Remote Sensing, 2018, [https://doi.org/10.1007/s12524-018-0761-7\(0123456789](https://doi.org/10.1007/s12524-018-0761-7(0123456789)
9. Anne Mary,J. **Samson, S** and Saravanakumar ,R.M. ,"Mechanical Properties of Porous Concrete with Partial and Total Replacement of Fine Aggregate with Coarse Aggregate", International Journal of Civil Engineering and Technology, 8(9), 2017, pp. 26–34.
10. **Samson, S**. and Elangovan, K "Multivariate Statistical Analysis to assess groundwater quality in Namakkal district, Tamilnadu, India". Indian Journal of Geo-Marine Science. Vol 46 (04), pp.830-836, April 2017
11. **Samson, S**. and Elangovan, K "Delineation of groundwater recharge potential zones in Namakkal district, Tamilnadu, India using Remote Sensing and GIS",Journal of the Indian Society of Remote Sensing, Springer, On line publication DOI 10.1007/s12524-014-0442-0, pp.1-10, 2015
12. **Samson, S**. and Tharini, R.K. "Mechanical Properties of Eco-Friendly Fine Aggregate Used in Concrete along with Mineral Admixture", Proceedings of National Conference on Engineering Applications for Developing Smart Cities at Dhirajlal Gandhi College of Technology, Salem, Tamil Nadu, India, Volume (1) No(1) pp. 069 – 075, 2015. ISBN : 978-93-84743-37-6
13. **Samson, S**. and Kavi Priya,K. "Mechanical Properties of Eco-Friendly Fine Aggregate Used in Concrete along with Chemical Admixture", Proceedings of National Conference on Engineering Applications for Developing Smart Cities at

Dhirajlal Gandhi College of Technology, Salem, Tamil Nadu, India, Volume (1) No(1) pp. 062 – 068, 2015. ISBN : 978-93-84743-37-6

14. Sivalingam,K., Dr.Jayanthi,S., Dr.Jagadeesan,K. and **Dr.Samson,S.**, "Influence of brackish water in the strength properties of concrete composites with replacement of Class C fly ash and silicafume," Pollution Research, International Journal. Volume 32, No (2), pp 115-126, 2013
15. Sivalingam,K., Dr.Jayanthi,S., Dr.Jagadeesan,K. and **Dr.Samson,S.**, "Mechanical properties of concrete composites with replacement of class c fly ash and silicafume," International Journal of Scientific & Engineering Research, Volume 3, No (9), pp.1-7, 2012.
16. **Samson, S.** and Elangovan, K "Hydro chemical Analysis and Estimation of Groundwater Quality in Namakkal District, Tamilnadu, India", International Journal of Ecotoxicology and Environmental Pollution. Vol.21 No. (5) , pp.415-430, 2011.
17. **Samson, S.** and Elangovan, K "Assessment of groundwater quality for drinking purposes during premonsoon season in Namakkal district, Tamilnadu, India", Pollution Research. Vol 30. No (1), pp.85-94, 2011
18. **Samson, S.** and Elangovan, K. "Assessment of Quality of Groundwater for Irrigation During Premonsoon Season in Namakkal District, Tamil Nadu, India", Proceedings of International Conference on Advances in materials and Techniques in Civil Engineering at VLB Janakiammal College of Engineering and Technology, Coimbatore, Tamil Nadu, India, pp. 313-321. 2010
19. **Samson, S.** and Elangovan, K. "Groundwater Quality Predictions Using Correlation, Factor and Regression Analysis in Namakkal district, during premonsoon season", Proceedings of National Conference on Emerging Trends in Civil Engineering at KSR College of Engineering , Tiruchengode, Tamil Nadu, India, pp. 71-84. 2010.
20. **Samson, S.** and Elangovan, K. "Evaluation of Quality of Groundwater for Irrigation During Postmonsoon Season in Namakkal District, Tamil Nadu, India", Proceedings of International Conference on Disaster Management and Mitigation, PSNA College of Engineering and Technology, Dindigul, Tamil Nadu, India, pp. 1-20. 2009.

## **RESEARCH AREAS OF INTEREST**

1. Concrete Strength & Durability
2. Water Quality Characterization
3. GIS and Remote Sensing

## **PROGRAMMES ORGANISED**

### **1. Faculty Development Programme**

Co-ordinated Anna University, Chennai sponsored Faculty development programme for the subject 'Mechanics of Fluids' during May 2014.

### **2. Technical Workshop**

Convened an one day workshop on , "Overview of Geotechnical Engineering" in association with Indian Geotechnical society, Coimbatore Chapter on 01/02/2014.

## **MILE STONES**

Presented many video lectures. 5 numbers of video lectures for the subject Structural Analysis have been uploaded in You Tube.

#### **1. Structural Analysis I Arches**

Link address: <https://www.youtube.com/watch?v=fo16SyEynZc>

#### **2. Structural Analysis I Arches 2 Hinged**

Link address: <https://www.youtube.com/watch?v=DnqF0JBP2ow>

#### **3. Structural Analysis I Arches 3 Hinged**

Link address: <https://www.youtube.com/watch?v=7n65wyFcsKg>

#### **4. Structural Analysis I Arches Temperature Effects 2**

Link address: <https://www.youtube.com/watch?v=wOl89rvs59Y>

#### **5. Structural Analysis I Arches Temperature Effects 3**

Link address: <https://www.youtube.com/watch?v=kxmcnToKkv8>

Presented many video lectures. 24 numbers of video lectures for the subject Engineering Mechanics have been uploaded in You Tube.

<https://www.youtube.com/results?sp=SBRQFOoDAA%253D%253D&q=samson+sisupalan>

### **YouTube Channel Name**

1. Samson sisupalan

2. Samson duke

## **PROGRAMMES ATTENDED**

1. Attended Faculty Training Programme for the subject "Basics of Dynamics and Aseismic Design" from 25/06/07 to 27/06/07 at Kongu College of Engineering, Erode- 638 052, Tamilnadu, India.
2. Participated in Short Term Training Programme on "Modelling Approaches for Environmental and Water Resources Systems Management" from 04/08/08 to 09/08/08 at Indian Institute of Technology, Madras- 600 025, Tamilnadu, India.
3. Participated in Training Programme on "Open Source Geographic Information Systems" from 29/08/09 to 30/08/09 at PSG college of Technology, Coimbatore- 641 001, Tamilnadu, India.
4. Attended Pedagogical Training Programme on "Effective Teaching Methodologies" on 06/11/14 at Dhirajlal Gandhi College of Technology, Salem-636 309, Tamilnadu, India.
5. Attended two day seminar on "Research Issues and Application of Remote Sensing" organized by the Dept of Civil Engineering, VelTech Rangarajan Dr Sagunthala R & D Institute of Science and Technology, Avadi, Chennai on 25<sup>th</sup> and 26<sup>th</sup> October 2018.
6. Attended one week FDP on "Engineering Education in Post COVID world" organized by VIT, Chennai from 22nd June to 27th June, 2020.
7. Attended One week International Workshop on "Durability of Concrete (IWODOC-2020)" organized by NIT, Surathkal, Karnataka from 26 th Oct to 30 th Oct, 2020

## **GUEST LECTURES DELIVERED**

1. Delivered special address on Application of GIS and Remote Sensing in CSIR Sponsored Two day workshop on Application of Remote Sensing And Gis For Water Management" held at VSA College of Engineering, Salem during Sep 2013.

2. Delivered special lectures on Fluid properties and statics in Anna University sponsored Faculty Development Programme conducted in our Institute for the subject " Mechanics of Fluid" during May 2014.
3. Resource Person in VelTech Rangarajan Dr.Sangunthala R& D Institute of Science and Technology sponsored Faculty development programme for the subject' Mechanics of Fluids" during Dec 2019.
4. Resource Person in One week Online FDP conducted by Arasu Engineering College, Kumbakonam, Tamilnadu for the subject' Mechanics of Fluids" during Aug 2020.
5. Resource Person in One week National Level Seminar ( Webminar Series) conducted by Sri Manukula Vinayagar Engineering College, Pondicherry in the topic Smart Materials and Structures in Civil Engineering during Oct 2020.
6. Resource Person in AICTE Sponsored Online Short Term Training Programme (STTP) Phase II, conducted by KSR College of Engineering, Trichengode, Tamilnadu, on the topic "Green waste Utilization" 03/11/2020.

#### **CHIEF GUEST / CHAIRPERSON OF EVENTS**

1. Chief Guest for the award ceremony of "Young Faculty Award - 2018" on May 6th 2018 at Le Meridian, Coimbatore and delivered a keynote speech on the topic "What changes are required now from an engineering faculty ".

#### **RESEARCH PROJECTS**

<b>Title</b>	<b>Description PI / CI</b>	<b>Grant Received</b>	<b>Duration</b>	<b>Completed / on going</b>
Assessing, Monitoring and Modeling the impact of Under Groundwater Quality Changes Due to Industrial Revolution In and around the Bhavani River Using Spatial Information	Co- Investigator	-----	3 Years	Submitted @ NRDMS, DST, Communication going on

#### **Patents Published**

S.No	Title	Inventors	Ref No	Status
1	A Method for Evaluating Groundwater Quality	S. Samson	201941051959	Published

### Experience in Administrative Positions, Curriculum and Lab Development and Student Welfare

S.No	Position Held	Duration
1	Head of the Department	2010-2016
2	Board of Studies Member (BoS) for Veltech University	2016- Till date
3	Academic Council Member (ACA) for Veltech University	2016- Till date
4	Doctoral Committee Member for Anna University	2017 –Till date
5	Strength of Materials Lab in-charge	2006-2010
6	Structural Engineering Lab in-charge	2013-2016
7	Student Mentor / Class Advisor	2006- 2017

### CHAIR/ CO-CHAIR IN CONFERENCES

S.No	Name of the Conference	Year	Position
1	National conference on Global Environmental changes and sustainable development in Civil engineering.	April 5 2017	Chair
2	International conference on Global Environmental changes and sustainable development in Civil engineering	April 4 & 5 2018	Chair
3	2nd international conference on Global Environmental changes and sustainable development in Civil engineering	April 4 & 5 2019	Chair
4	Two Day International E-Conference on "Novel Innovations and Sustainable Development in Civil Engineering (NISDCE'20)" on	June 13-14, 2020.	Chair

### PROJECT GUIDANCE / PH.D PROJECTS



S.NO	Title	Degree.	Year of Completion	Name of Student
1	Impacts of Seasonal variations in river water quality due to Industrial effluents	Ph.D	Pursuing	J Jegan Raj
2	Impacts of Seasonal variations in ground water quality due to Industrial effluents	Ph.D	Pursuing	Sunil Deva Josh
3	Experimental Investigations on mechanical and dynamic properties of concrete preparing construction waste materials	Ph.D	Pursuing	T. Nelson Ponnudurai
4	Experimental Investigations on strength and durability of high performance concrete prepared geo polymers	Ph.D	Pursuing	R Veerakumar
5	Experimental Investigations and simulation study on strength and durability of structures exposed to seismic vulnerability	Ph.D	Pursuing	RM Saravana Kumar
6	Plastic granules a substitute for fine aggregate in plain and reinforced concrete	Ph.D	Pursuing	DV Shanmukesh
7	Analysis and Experimental study of stress variations of light weight in-filled shear walls	Ph.D	Pursuing	Robert Singh

**PROJECT GUIDANCE / ME PROJECTS**

S.NO	Title	Degree	Name of Student	Reg No / University	Year of Completion
1	Strength modeling and study of impact response on concrete flexural members with micro reinforcement	ME	M RAJKUMAR	610514413013 /Anna University	2016
2	Experimental study of	ME	M.BOOBALAN	2164CE701	2018

	behaviour of flexural and compression member prepared using concrete with steel fibre			/ VelTech	
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**COURSES HANDLED ( During past 6 Years )**

<b>S.No</b>	<b>Courses</b>	<b>UG/PG/Ph D</b>
1	Engineering Mechanics	UG
2	Mechanics of Solids	UG
3	Theory of Elasticity and Plasticity	PG
4	Smart Materials and Smart Structures	UG and PG
5	Design of Advanced Concrete Structures	PG
6	Maintenance of Rehabilitations of Structures	PG
7	Special Concrete	PG
8	Repair and Rehabilitation of Structures	Ph.D ( course work)
9	Advanced Concrete Technology	Ph.D ( course work)

**EXPERIENCE**

**Teaching**

1. Professor / Civil Engineering and Chief Engineer, Veltech Group of Construction  
Veltech Rangarajan Dr Sagunthala R&D Institute of Science  
And Technology, Avadi, Chennai. Tamilnadu, India 23.05.2016 to Till Date
2. Professor /HoD/ Civil Engineering,  
Dhirajlal Gandhi College of Technology  
Omalur, Salem. 636 309. Tamilnadu, India 30.09.2013 to 13.05.2016
3. Professor / PG, Civil Engineering,  
Mahendra Institute of Engineering and Technology,  
Mallasamudram. 637 503.Tamilnadu, India 01.02.2013 to 28.09.2013
- 4.Professor /HoD/ Civil Engineering,  
Mahendra Engineering College,  
Mallasamudram. 637 503. Tamilnadu, India 18.11.2010 31/01/2013

5. Associate Professor / Civil Engineering,  
KSR College of Engineering.  
Trichengode- 637 215, Tamilnadu, India 11.07.2005 to 17.11.2010

6. Lecture/ Civil Engineering  
CSI Polytechnic,  
Salem 636 007, Tamilnadu, India 22.07.1995 to 11.01.2001

7. Lecture/ Civil Engineering  
Sapthagiri College of Engineering,  
Dharmapuri.636 701, Tamilnadu, India 16.12.1993 to 21.07.1995

8. Lecture/ Civil Engineering  
VMKV Engineering College,  
Salem.636 001, Tamilnadu,India 22.02.1992 to 15.12.1993

**Total Teaching Experience ( as on 19/09/20) 24 years & 1 months & 12 Days**

#### **Industry**

1.Site Engineer, Annamar & Co,  
Erode.638 101, Tamilnadu, India 01.06.1987 to 31.05.1990  
2.Private practice as Civil Contractor 01.08.2002 to 31.06.2005

**Total Industrial Experience 5 years and 10 Months**

#### **PROFESSIONAL EXPERTISE**

1. Drafting plans using AutoCAD
2. Design of super and sub structures by both manually and using software StaddPro
3. Design of steel structures using StaddPro
4. Preparation of estimation and valuation of structures
5. Drafting Elevation and 3D drawings of structures using the software RIVET.
6. Execution of structures.

#### **ON LINE COURSES COMPLETED**

S.No	Title of the course	Date of Completion	Platform	University
1	Business English-	25/04/2020	Coursera	Arizona State

	Management and Leadership			University
2	Personality Types at Work	05/05/2020	Coursera	University of Florida
3	Managing Project Risks and Changes	08/05/2020	Coursera	University of California
4	Initiating and Planning Projects	10/05/2020	Coursera	University of California

**COMPUTER PROFICIENCIES**

1. Platforms: Windows XP, MS DOS
2. Languages: C Language, Basic, MS- Excel Programming
3. Packages: AutoCad, Revit, ArcView, ArcGIS, MATLab
4. Hardware: PC Servicing

**REFERENCES**

1. Dr T Palanisamy Ph D  
Asst Professor  
Department of Civil Engineering  
National Institute of Technology,  
Surathkal 575025  
Karnataka, India  
Email: tpalanisamycivil2000@gmail.com  
Mobile No: (91) 99948 62226
2. Dr K Elangovan Ph D  
Associate Professor,  
Department of Civil Engineering,  
PSG College of Technology,  
Coimbatore-641 004,  
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