

**Dr. O. GANESH BABU, B.E., MS., Ph.D.,**

**Assistant Professor in Civil Engineering,**

**Anna University Regional Campus Tirunelveli,**

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**Specialization : Hydrology and Water Resource Engineering**

**Research Area : Remote Sensing and GIS Applications in Drought Assessment, Ground Water Quality Modelling**

**Educational Qualifications:**

<b>Ph.D</b>	<b>TITLE</b>	<b>Impact of Urban Development on Water Quality through Modelling</b>	
	<b>COLLEGE</b>	<b>University College of Engineering</b>	
	<b>UNIVERSITY</b>	<b>ANNA UNIVERSITY</b>	
<b>P.G (MS)</b>	<b>TITLE</b>	<b>Drought Assessment in Chittar Sub Basin using GIS</b>	
	<b>MAJOR</b>	<b>Hydrology and Water Resources Engineering</b>	
	<b>COLLEGE</b>	<b>College of Engineering, Guindy</b>	
	<b>UNIVERSITY</b>	<b>ANNA UNIVERSITY</b>	
	<b>CGPA</b>	<b>7.00</b>	
<b>U.G (B.E)</b>	<b>TITLE</b>	<b>Planning and Design of Multistoried Shopping Complex</b>	
	<b>MAJOR</b>	<b>Civil Engineering</b>	
	<b>COLLEGE</b>	<b>Thiagarajar College Of Engineering, Madurai</b>	
	<b>UNIVERSITY</b>	<b>KAMARAJAR UNIVERSITY</b>	
	<b>PERCENTAGE</b>	<b>61.52%</b>	
<b>BOARD EXAMS</b>	<b>LEVEL</b>	<b>CLASS XII</b>	<b>CLASS X</b>
	<b>NAME OF BOARD</b>	<b>H.S.C</b>	<b>S.S.L.C</b>
	<b>PERCENTAGE</b>	<b>72.71%</b>	<b>74.40%</b>

## Professional Experience:

### Present Position

**Assistant Professor** in Department of Civil Engineering, **Anna University Regional Campus Tirunelveli** from 19-02-2016.

### Previous Position

1. **Assistant Professor** in Department of Civil Engineering, **University College of Engineering, Ramanathapuram** from 9-07-2014 to 18-02-2016.
2. **Assistant Professor** in Department of Civil Engineering, **University VOC College of Engineering, Thoothukudi** from 08-09-2009 to 8-07-2014.
3. **Assistant Professor** in Department of Civil Engineering, **Anna University Tirunelveli, Tirunelveli** from 07-08-2009 to 07-09-2009.
4. **Junior Research Fellow** in **Centre for Water Resources** at **Anna University, Chennai-25** from May 2006 to August 2009.
4. **Lecturer in civil Engineering** in **Arasan Ganesan Polytechnic College, Sivakasi** from December 2005 to April 2006.
5. Worked as a **Project Associate** in **Centre for Water Resources** at **Anna University, Chennai-25** from December 2000 to November 2005.
6. **Assistant Engineer** in **East Coast Construction & Industries Limited, Chennai** from June 1998 to November 2000.

#### Projects worked :

- (i) Construction of Sothuparai Reservoir Project at Periakulam.
- (ii) Construction of High level Bridge across Palar River at Kanchipuram.

7. **Technical Assistant** in **Public Works Department, Virudhunagar** from August 1996 to June 1998.

#### Projects worked :

- (i) Construction of Workshop building at Collectorate Complex in Virudhunagar.
- (ii) Construction of Ladies Hostel Building at Kullarsandai near Virudhunagar.

## Administrative Positions Held:

### Present Position

**Programme Officer** in **Youth Red Cross**, Anna University Regional Campus, Tirunelveli from 04.11.2020 to Till Date.

## Previous Position

S.NO	Position Held	From	To
1	<b>Director</b> - Affiliation, NRI Admissions, Anna University of Technology, Tirunelveli.	Sep-10	Jan-11
2	<b>Part Time Coordinator</b> , Anna University of Technology, Tirunelveli.	Jul-11	Dec-11
3	<b>Head of the Civil Department</b> , University VOC College of Engineering, Thoothukudi	Jan-12	Jul-14
4	<b>Faculty in charge for SC/ST Students Scholarship Section</b> , University VOC College of Engineering, Thoothukudi	Apr-12	Jul-14
5	<b>Chief Superintendent</b> , University VOC College of Engineering, Thoothukudi	Apr-13	Nov-13
6	<b>Chief Superintendent</b> , Anna University Regional Campus, Tirunelveli	Nov-17	Mar-18
7	<b>Faculty in Charge of Campus Maintenance</b> Anna University Regional Campus, Tirunelveli	Mar-16	Aug-20
8	<b>Deputy Warden</b> for the boys Hostel, Anna University Regional Campus, Tirunelveli	Aug - 16	Dec - 20

## Research Guidance:

Number of B.E. Projects Completed: 7

Number of M.E. Projects Completed: 16

## Honours & Awards:

Recognized as Master Trainer for the course – “**Foundation’s skills in integrated product development**” conducted by Anna University, Chennai.

## Sponsored Research Projects / Consultancy Services:

	Sl. No	Position	Title	Funding Agency	Amount (Lakhs)	Status
<b>R &amp; D Projects</b>	1	Junior Research Fellow	Study on the Effect of Partial De-silting of Small Tanks	INCID, Government of India	27.45	Completed

	2	Project Associate	Remote Sensing Based Agricultural Drought Information System using GIS	Water Resources Organization, PWD, Tamil Nadu	10	Completed
<b>Consultancy Projects</b>	3	Project Associate	Physical Model Study on Bhavani Kattalai Barrage Hydro Electric Project – I	Tamil Nadu Electricity Board, Government of Tamil Nadu	4.4	Completed
	4	Project Associate	Rain Water Harvesting and Water Resources Study in Chennai Airport	International Airport Authority of India	5	Completed
	5	Project Associate	Rejuvenation of Ooranies in Kanchipuram, Ramanathapuram and Thoothukudi Districts	Rural Development Department (RDD), GoTN Tamil Nadu	2	Completed
	6	Assistant Professor	Tower Verticality Certification for the existing tower	All India Radio, Tirunelveli	0.20	Completed
	7	Principal Consultant	Design of pipe network and pumping station for the diversion of flood water from Thamiraparani River to Vaippar River.	WRO, PWD, Tirunelveli	9.44	Ongoing

### Publications:

### International Conferences:

1. Priya R., **Ganesh Babu O** and Sashikkumar M.C., 'Hydrological Drought Assessment Studies for Chittar Sub-basin using GIS', Fourth International Groundwater Conference, Yadava College Madurai, 27-30 September 2011, pp. 34.
2. Presented a technical paper on Assessment of Groundwater Vulnerability to Pollution using MODFLOW at TEQIP II Sponsored Two-Day International Conference on Environmental Geotechnics, Anna University BIT, Tiruchirappalli, on 30-31 October 2014.

### National Conferences:

1. Presented a technical paper on “An Experimental Study on Steel Fibre Reinforced Concrete” in the National level Conference on Soft Computing Techniques in Structural and Environmental Engineering organized by University College of Engineering, Dindigul on 20 March 2015.
2. Priya R., **Ganesh Babu O** and Sashikkumar M.C., ‘Meteorological Drought Assessment Studies for Chittar Sub-Basin’, National Conference on Modern Trends in Civil Engineering, 25th March 2010, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur, pp. 248-258.
3. **Ganesh Babu O** and Sashikkumar M.C (2012), Crop seasonal meteorological drought assessment for Palar basin using GIS, National seminar on “Geomatics in water resources ” Gandhigram University, Dindigul, December 11-12, 2012.
4. S.KrishnaKumar, **O.Ganesh Babu**, M.C.Sashikkumar, E.Sivasankar “Spatial Analysis of Air Temperature in Himalayas” 26th Indian Engineering Congress Organized by The Institution of Engineers, Karnataka State Centre, Bangalore, December 15-18, 2011 proceeding pp.123.
5. **O.Ganesh Babu**, M.C.Sashikkumar, T.Periyasamy “Spatial Analysis of Groundwater Prospects for Palayamkottai Block using GIS” 26th Indian Engineering Congress Organized by The Institution of Engineers, Karnataka State Centre, Bangalore, December 15-18, 2011 proceeding pp.124.
6. **Ganesh Babu, O.**, Krishnaveni, M., and Ravikumar, G. (2003), “Drought Severity Assessment in Chithar Sub-basin”, National Conference in Advances in Civil Engineering: Perspectives of Developing Countries, Kanpur, February 15-16, 2003.

#### **International Journals:**

1. **Ganesh Babu O** and Sashikkumar M.C. (2013). Application of GIS for Groundwater Quality Mapping of Tiruppur Block, Tamil Nadu, International Journal of Remote Sensing & Geoscience, Vol. 2, Issue 5, pp.18-25.
2. Sashikkumar M.C. and **Ganesh Babu O** (2013). Assessment of Meteorological Drought for Chittar Sub-basin Using Geographical Information System, International Journal of Advanced Remote Sensing and GIS, Volume 2, Issue 1, pp. 271-279.
3. **Ganesh Babu O.** and Sashikkumar M.C. (2013). Application of GIS for Groundwater Quality Mapping Of Tiruppur Block, Tamil Nadu, International Journal of Remote Sensing & Geoscience, Vol. 2, Issue 5, pp.18-25.
4. **Ganesh Babu O**, R. Saravanan, M.C.Sashikkumar and S. Pitchaikann (2015). Assessment of Groundwater Vulnerability to Pollution Using Modflow, The Asian Review of Civil Engineering, Vol. 4 No. 1, pp.20-27.
5. **Ganesh Babu O**, Sashi kumar M C, Sakthieswaran N, 2015, ‘A light weight concrete using Granulated Corn cob’, International Journal of Scientific Engineering And Applied Science, Vol. 1, No. 3, Pp. 29 – 37.

6. **Ganesh Babu O**, Saranya A & Sakthieswaran N, 2015, 'Mechanical Properties of Concrete with Nano Particles', International Journal of Scientific Engineering And Applied Science, Vol. 1, No. 3, Pp. 38 – 44.
7. **Ganesh Babu O**, Saranya A, Sashi kumar MC & Sakthieswaran N, 2015, 'Non Conventional concrete with Copper slag and Sisal Fibre', International Journal of Scientific Engineering And Applied Science, Vol. 1, No. 3, Pp. 45 – 59.
8. **Ganesh Babu O**, Saranya A, Sashi kumar MC & Sakthieswaran N, 2015, 'Planning And Designing Of Floating Structures', International Journal of Scientific Engineering And Applied Science, Vol. 1, No. 3, Pp. 60 – 73.
9. **Ganesh Babu O**, Sashikkumar M.C, Vijayaraj M, Gokulakrishnan K, & Sakthieswaran N, 2016 'Assessment of Groundwater Quality in the District of Erode, Tamil Nadu, India', International Journal of Advanced Engineering Technology, Vol. 7, No. 2, Pp. 1248-1252.
10. Ahalya R S, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Microstructure Analysis Of Cement Mortar On Partial Replacement Of Fine Aggregates By Industrial Wastes', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 414-417.
11. Baskar S, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Experimental study on partial replacement of Fine aggregate with marble powder and Green sand in concrete', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 418-420.
12. Brindha M, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Durability Study of Cement Mortar Replaced By Bottom Ash and Green Sand as a Fine Aggregate', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 421-423.
13. Cibi Jeyanth G, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Modulus of Elasticity and Flexural Strength of Concrete with Industrial By-Products', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 424-425.
14. Durga Uma Maheswari G, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Experimental Study on High Strength Concrete Using Industrial Wastes', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 426-428.
15. Ganapathy Selvam V, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Experimental Behavior on Mechanical Properties of Concrete Using Industrial Byproducts', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 429-431.
16. Jayasri J, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Ultimate Strength Analysis of Concrete Filled Single and Double Skin Aluminium Tubular Columns with GFRP

Laminates', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 432-435.

17. Manikandan S, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Experimental Investigation on Bond Strength, Impact Strength and UPV of Concrete with Industrial By-Products', Vol.4, Pp. 436-439.
18. Meena P, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Size Effects on Flexural Behavior of Steel Fiber Reinforced Concrete with Industrial Wastes', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 440-442.
19. Muhammad Hasan S, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Seismic analysis of skewed multi-span Steel Girder Bridge', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 443-448.
20. Nino Serah Baby, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Review on Hybrid Composites Reinforced With Sisal Fibers, Glass Fibers, Steel Fibers and Prosopis Juliflora', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 449-451.
21. Pandilakshmi S, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Setting Time and Sem Analysis for Cement Mortar Containing Partial Replacement of Fine Aggregate by Green Sand And Bottom Ash', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 452-454.
22. Rajasekar K, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Study about the Behaviour of Concrete Filled Tubular Column with GFRP Wrapping', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 455-458.
23. Rajeswari K J, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Shear Strength and Fracture Toughness of Steel Fibre Reinforced Concrete with Industrial Wastes', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 630-633.
24. Remi Hudson A, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Experimental Investigation of Industrial by – Products Concrete Filled Mild Steel Tubular Columns with GFRP Wrapping', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 634-637.
25. Rexin C, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Effect of Retrofitting On Concrete Filled Aluminium Tubular Section Using Basalt Strips', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 638-642.
26. Sai Harshita M M, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Optimal Sensor Placement Techniques in Structural Health Monitoring Using Various Optimization

Criteria', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 643-646.

27. Subashini V, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Fabrication and Study of Mechanical Properties of Composite Panel Using Sisal/Glass/Basalt Fibres', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 652-655.
28. Sudalai Muthu C, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Experimental Investigation of Acid Attack on Concrete with Marble Powder and Green Sand as Fine Aggregate Replacement', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 656-657.
29. Sujitha S, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Durability Strength Waste Admixed High Strength Concrete', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 658-662.
30. Alphius Eugene Guiles S, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Review of SEM and XRD test of Cement Mortar made with Metakaolin and Flyash Partially Replaced in cement cured in seawater', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 728-730.
31. Annamariyan M, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Review of FTIR and Thermal Resistance test of Cement Mortar made with Metakaolin and Flyash Partially Replaced in cement cured in sea water', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 731-733.
32. Balavinayagam J, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Hollow Tubular Rectangular Steel Section Wrapped GFRP – A Review', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 734-739.
33. Esakki Muthu G, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Microstructure study on cement mortar using green sand and copper slag – A review', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 740-743.
34. Maharajan M, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Strength and durability properties of cement mortar replaced by copper slag and green sand as fine aggregate – A Review', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 744-748.
35. Palanikumar S, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Review of Development of Mechanical Properties of Self Compacting Concrete Contain Rice Husk Ash', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 749-751.



36. Pounraj G, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Review on Effects of Polymer Coated Coarse Aggregate in Railway Prestressed Concrete Sleepers (B.G)', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 757-759.
37. Samuel Jefferson S, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Review of Investigating the strength, Alkali Aggregate reaction and influence of elevated temperature in cement mortar contains Granite powder', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 760-764.
38. Santhiya A, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Review of Experimental Investigation on Coconut Shell as Replacement on Concrete as Course Aggregate in their Strength', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 765-767.
39. Saravanan P, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Review – Effect on Strength and Durability Properties of Cement Mortar Replaced By Metakaolin and Flyash as Fine Aggregate', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 768-771.
40. Selvam M, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Review – Shear and Pullout behaviours of steel Fiber Reinforced Concrete on Elevated Temperature', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 772-775.
41. Sethupalani A, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Review – Effects of temperature on fracture toughness of concrete', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 776-778.
42. Shanmugasundari M, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Comparative Study of Ultimate Strength on Hollow Rectangular Filled Concrete Tube-IN-Tube Section – A Review', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 789-792.
43. Thanam Krishna Kumar A, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Review of Water Absorption, Porosity and Sorptivity of Cement Mortar made with metakaolin and flyash partially replaced in cement cured in seawater', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 793-795.
44. Vanitha M, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'Effects on Concrete Filled Stainless Steel Tubular Columns Strengthened By Using GFRP Sheets – A Review', International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 796-800.
45. Vijaya Kumar R, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, 'A Review on Water Absorption, Porosity and Sorptivity of Cement Mortar made with Copper Slag and

Green Sand as Partial Replacement of Fine Aggregate’, International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 801-803.

46. Vijila T, Sakthieswaran N, Shiny Brintha G, & **Ganesh Babu O**, 2016, ‘Review of Failure Analysis of Ground Level Reservoir and Remedial measures, International Journal for Research in Applied Science and Engineering Technology, Vol.4, Pp. 804-807.
47. **Ganesh Babu O**, M.C.Sashikkumar, R. Saravanan and S. Pitchaikam (2016). Drastic Modelling of Groundwater Vulnerability to Pollution, International Journal of Earth Sciences and Engineering, Vol. 9 No. 6, pp.2878-2888.
48. Sophia M, Sakthieswaran N & **Ganesh Babu O**, 2016 “Gypsum as a Construction Material- A Review of Recent Developments” International Journal for Innovative Research in Science & Technology, Vol.2, Issue 12, Pp.315=323.
49. **Ganesh Babu O** , Danya TR , Sakthieswaran N , Suresh P , Muthuraman U “ Sustainable characteristics of fly ash based geopolymer concrete incorporating Alccofine, Zeolite and rubber fibers” Romanian Journal of Materials, Vol.51, Issue 1, Pp. 17-24.

#### National Journals:

1. **Ganesh Babu O**. and Sashikkumar M.C. (2010). Demarcation of groundwater recharge potential zones for Tiruppur block using GIS, Journal of Soil & Water Conservation, Vol.9, No.3, pp.154-158.
2. R Aswin Maria Sebal, N Sakthieswaran, **O Ganesh Babu** and KK Gayathri, Effect of micro silica and ground granulated blast furnace slag on performance of rubberized mortar, Materials Today: Proceedings ScienceDirect, Volume 37, Part 2, 2021, Pages 1014-1018
3. R Gajendra Rajan, N Sakthieswaran and **O Ganesh Babu**, Experimental investigation of sustainable concrete by partial replacement of fine aggregate with treated waste tyre rubber by acidic nature, Materials Today: Proceedings ScienceDirect, Volume 37, Part 2, 2021, Pages 1019-1022.
4. M. Abarna Munisha, N. Sakthieswaran, **O. Ganeshbabu** and K.K. Gaayathri, Experimental study on effects of natural admixture on blended mortar, Materials Today: Proceedings ScienceDirect, Volume 37, Part 2, 2021, Pages 1023-1027.
5. Mohamed Thameem Ansari, N. Sakthieswaran and **O. Ganesh Babu**, Experimental study of an eco-friendly concrete by inbuilt with treated crumb rubber, Materials Today: Proceedings ScienceDirect, Volume 37, Part 2, 2021, Pages 1028-1031.

6. V. Punitha, N. Sakthieswaran and **O. Ganesh Babu**, Experimental investigation of concrete incorporating HDPE plastic waste and metakaolin, *Materials Today: Proceedings ScienceDirect*, Volume 37, Part 2, 2021, Pages 1032-1035.
7. S. Sangeetha, N. Sakthieswaran and **O. Ganesh Babu**, Effect of steel fibre on fracture toughness of concrete, *Materials Today: Proceedings ScienceDirect*, Volume 37, Part 2, 2021, Pages 1036-1040.
8. D. Shanmuga Priya, N. Sakthieswaran and **O. Ganesh Babu**, Experimental study on mortar as partial replacement using sawdust powder and GGBS, *Materials Today: Proceedings ScienceDirect*, Volume 37, Part 2, 2021, Pages 1051-1055.
9. J. Ponnaiah, N. Sakthieswaran **O. Ganesh Babu** and K.K. Gaayathri, Natural admixture in blended mortar- mechanical properties study, *Materials Today: Proceedings ScienceDirect*, Volume 37, Part 2, 2021, Pages 1056-1061.
10. N. Thamaraiselvi, N. Sakthieswaran and **O. Ganesh Babu**, Improving the performance of mortar containing industrial wastes, *Materials Today: Proceedings ScienceDirect*, Volume 37, Part 2, 2021, Pages 1062-1065.
11. M. Mathavan, N. Sakthieswaran and **O. Ganesh Babu**, Experimental investigation on strength and properties of natural fibre reinforced cement mortar, *Materials Today: Proceedings ScienceDirect*, Volume 37, Part 2, 2021, Pages 1066-1070.
12. V. Sathish Kumar, R. Vidhyasri, P.R. Dhevasenaa and **O. Ganeshbabu**, Reduction of toxic elements in marine environment using nano adsorbent materials, *Materials Today: Proceedings ScienceDirect*, Volume 37, Part 2, 2021, Pages 1554-1557.

### **Invited as Chairperson at National Conferences / Symposium:**

1. Member of Technical Committee to evaluate and select the best project for **TechnoFAIR 2016** organised by District Science Centre, Tirunelveli and Anna University Regional Campus Tirunelveli held on 3-5 March 2016 at District Science Centre, Tirunelveli.

### **Conferences / Seminars / Workshops Organized:**

1. **Co-ordinator** for the CFD, Anna University, Chennai sponsored one week Faculty Development Training Programme on **CE2202 FLUID MECHANICS** during the period from 19.06.2013 to 26.06.2013.

2. **Co-ordinator** for the One day Workshop on “**Remote Sensing and GIS Applications in Water Resources Engineering - RSGIS-WRE-2013**” during the period from 6.09.2013.
3. **Co-ordinator** for the CFD, Anna University, Chennai sponsored one week Faculty Development Training Programme on **CE2253 APPLIED HYDRAULIC ENGINEERING** during the period from 2.12.2013 to 9.12.2013.
4. **Co-ordinator** for the CFD, Anna University, Chennai sponsored one week Faculty Development Training Programme on **CE 6302 MECHANICS OF SOLIDS** during the period from 22.06.2014 to 30.06.2014.
5. **Co-ordinated TechnoFAIR 2016** organised by District Science Centre, Tirunelveli and Anna University Regional Campus Tirunelveli held between 3-5 March 2016 at District Science Centre, Tirunelveli
6. **Co-ordinator** for the CFD, Anna University, Chennai sponsored one week Faculty Development Training Programme on **CE 6505 DESIGN OF REINFORCED CONCRETE ELEMENTS** during the period from 18.06.2018 to 24.06.2018.

#### **Short Term Courses / Faculty Development Programme Attended:**

1. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “**Environment, Energy, Health and Safety: Trends & Industrial Aspects**” conducted by Karmaveer Kakasaheb Wagh Polytechnic, Nashik during 17 to 21 May 2021.
2. National Level 3 Days Online Faculty Development Programme on “**Innovation, Entrepreneurship & its Relevance in Civil Engineering**” conducted by St. Martin’s Engineering College, Dhulapally, Secunderabad during 10<sup>th</sup> – 12<sup>th</sup> May, 2021.
3. AICTE sponsored STTP on “**A Beeline for Circular Economy through Sustainable Waste Management (Phase-I)**” conducted by K.S.R College of Engineering, Tiruchengode during 26 April – 1 May 2021.
4. AICTE sponsored online programme (Phase-III) on “**Forum on Nuturing Clean-Water and Green-Water**” conducted by K.S.R College of Engineering, Tiruchengode during 14 -19 December 2020.
5. Anna University Regional Campus Tirunelveli organized “**Workshop on Bridging the Gap between Academic and Industries**” at AURCT, Tirunelveli, 11 November 2020.
6. AICTE sponsored Six days short term training programme (STTP) series-I on “**Digital Farming Exploration with AI**” conducted by Vivekanandha College of Engineering for women, Tiruchengode during 02-07 November 2020.
7. AICTE sponsored One week online short term training programme (STTP) on “**Disaster Mitigation – A shift from Disaster Management towards Disaster Preparedness**”

- conducted by B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai during 19 -24 October 2020.
8. AICTE sponsored One week online short term training programme (Series-III) on “**Industrial and Municipal Solid Waste Management for Green India**” conducted by P.S.R Engineering College, Sivakasi during 05-10 October 2020.
  9. AICTE sponsored One week online short term training programme (Series-II) on “**Industrial and Municipal Solid Waste Management for Green India**” conducted by P.S.R Engineering College, Sivakasi during 24-29 August 2020.
  10. AICTE sponsored One week online short term training programme (STTP) on “**Application of Remote Sensing in Soil and Groundwater Contamination Assessment**” conducted by Sri Krishna College of Engineering and Technology, Coimbatore during 27 July to 01 August 2020.
  11. AICTE sponsored One week online short term training programme (Series-I) on “**Industrial and Municipal Solid Waste Management for Green India**” conducted by P.S.R Engineering College, Sivakasi during 20-26 July 2020.
  12. Webinar on “**Human Factors in Design and Engineering**” organized by AAA College of Engineering and Technology, Sivakasi on 16.07-2020 and 17.07.2020.
  13. Webinar on “**Augmenting Vegetable Production through Vertical Farming**” organized by Krishna College of Agriculture and Technology, Usilampatti, Madurai on 11.07-2020.
  14. One-week online Faculty Development Programme on “**Future of Education and Research**” organized by Syed Ammal Engineering College, Ramanathapuram in association with SACE CSI Chapter during 29 June to 05 July 2020.
  15. Rajiv Gandhi Memorial Telecom Training Centre sponsored Three weeks industrial training on “**Telecom Tower Construction**” at BSNL Virudhunagar, 15 May 2020 to 5 June 2020.
  16. MHRD sponsored “**Managing Online Classes and Co-Creating MOOCS**” conducted by Teaching Learning Centre Ramanujan College, University of Delhi during 20 April to 03 May 2020.
  17. Centre for Development of Tamil in Engg. &Technology and Anna University Regional Campus Tirunelveli jointly organized “**Writing Science, Engineering and Technology in Tamil**” at AURCT, Tirunelveli, 18 October 2019.
  18. **GIAN MHRD** sponsored “**Renewable Energy Pathways for Rural Development**” at Gandhigram Rural Institute, Dindigul 21 January to 01 February 2019.
  19. Autodesk FDP on **Fusion 360 Product Design and Digital Manufacturing** at University College of Engineering Nagercoil 7-9 January 2019.
  20. Course on “**Geoinformatics for Forest Fire Management**” conducted by Indian Institute of Remote Sensing 2 April 2018 to 7 April 2018.

21. Two Week Faculty Training on “**Entrepreneurship Development**” conducted by CED, CIPR Anna University Chennai 13-23 February 2018.
22. AICTE approved **FDP 201x on Pedagogy for online and blended teaching learning process** conducted by IIT Bombay 14 September 2017 to 12 October 2017.
23. AICTE approved **FDP 101x on Foundation Programme in ICT for Education** conducted by IIT Bombay 3 August 2017 to 7 September 2017.
24. National Workshop on **Water Resources System Modeling** organized by Centre for Water Resources, Anna University, Chennai 9-10 March 2017.
25. AICTE sponsored One-week QIP short term course on **Sustainable Engineering from Concepts to Design Solutions** conducted by IIT Bombay during 03-07 August 2016.
26. **Foundation Skills in Integrated Product Development (FSIPD)** Train-the-Trainer program organized by Anna University Regional Campus Tirunelveli from 26-30 March 2016 in collaboration with IT-ITeS Sector Skill Council NASSCOM
27. Two week ISTE STTP on **Introduction to Structural Engineering** conducted by IIT Kharagpur from 30th November 2015 to 9th January 2016.
28. FDP on **GE 6253 Engineering Mechanics** at AURC Tirunelveli 14-20 December 2015.
29. FDP on **CE 6306 Strength of Materials** at UCE Dindigul 16-22 June 2015.
30. **ICT (MHRD) Two week ISTE workshop on Fluid Mechanics** 20-30 May 2014.
31. TEQIP II sponsored Workshop on “**R&D Proposals to National and International Funding for Researchers - Approach & Preparation**” conducted at NIT, Tiruchirappalli 16<sup>th</sup> and 17<sup>th</sup> August 2013.
32. TEQIP II sponsored FDP on “**Modelling techniques for environmental and hydrological systems**” conducted at NIT, Calicut 8<sup>th</sup> and 14<sup>th</sup> August 2013.
33. Anna University Chennai sponsored FDP on “**CE2251 Soil Mechanics**” College of Engineering Guindy, Anna University Chennai 17<sup>th</sup> to 24<sup>th</sup> December 2012.
34. **NRDMS (DST) Sponsored Training Programme on “Applications of GIS in Civil Engineering”** B.S Abdur Rahman University, Chennai 4-24 June 2012.
35. **Geospatial Technologies for Coastal Resources Management**, Indian Institute of Space Science and Technology, Thiruvananthapuram 28-29 May 2012.
36. International Workshop on **Climate Change** organized by Thiagarajar College of Engineering and Madurai Kamaraj University on 6 April 2012.
37. **Isotope Tracer for Water Resources Management**, Feb. 25, 2011, Centre for Water Resources Development and Management, Kerala and Anna University Chennai.
38. Department of Science and Technology Sponsored **Fourth International Conference on Groundwater** Yadava College Madurai September 27-30, 2011.

39. National Conference on **Eco-Environmental Impact on Water Resources Potential towards Re-linking and Integrating its Hydrological Cycle** organized by Centre for water resources, Anna University, Chennai held between January 3-5, 2007
40. One Day seminar on **Web Resources for R & D acceleration** held on 19th November 2003 organized by University Library, Anna University, Chennai.
41. Training Programme on **Rain Water Harvesting** conducted by Metro Water Resource Centre at Chennai during 12 September 2002.

### **Membership in Professional Bodies:**

**The Indian Society of Technical Education (LM 69153)**

**Indian Society of Remote Sensing (L 3509)**

**Indian Association of Hydrologists (LM 1434)**

**Indian Society of Geomatics (ISG-L-1244)**

**Indian Water Resources Society (LM 2003-5227)**

**International Water Association (1613479)**

**Soil Conservation Society of India (LM 2639)**

**The Indian Society for Hydraulics (LM 1527)**

### **Countries Visited:**

**Singapore, Malaysia**