


# Sri Sairam Engineering College

## DEPARTMENT OF CIVIL ENGINEERING

<p><b>Name:</b>Dr.S.BHAGAVATHI PERUMAL,PhD</p> <p><b>Staff ID</b> : ET21CE01  <b>Anna University ID</b> : 1116090  <b>AICTE ID</b> : 1-7459683490</p>	
<p style="text-align: center;"><b>LINK</b></p>	<p><b>Linkedin</b>  <a href="https://www.linkedin.com/in/dr-bhagavathi-perumal-38079668">https://www.linkedin.com/in/dr-bhagavathi-perumal-38079668</a></p> <p><b>Publon Profile URL Link</b>  <a href="https://publons.com/researcher/3225383/bhagavathiperumal-s/">https://publons.com/researcher/3225383/bhagavathiperumal-s/</a></p> <p><b>Web of Science ResearcherID</b>  <a href="https://publons.com/researcher/AAF-3416-2019/">https://publons.com/researcher/AAF-3416-2019/</a></p> <p><b>ORCID Author Link</b>  <a href="https://orcid.org/0000-0002-7868-7901">https://orcid.org/0000-0002-7868-7901</a></p> <p><b>ORCID ID</b>  0000-0002-7868-7901</p> <p><b>Scopus Author Link</b>  <a href="https://www.scopus.com/authid/detail.uri?authorId=36806710000">https://www.scopus.com/authid/detail.uri?authorId=36806710000</a></p> <p><b>Scopus Author ID</b>  36806710000</p> <p><b>GOOGLE SCHOLAR</b>  <a href="https://scholar.google.com/citations?hl=en&amp;user=rATzEacAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=rATzEacAAAAJ</a></p>
<p><b>E mail:</b> <a href="mailto:drsbperumal@gmail.com">drsbperumal@gmail.com</a>  <a href="mailto:perumal.civil@sairam.edu.in">perumal.civil@sairam.edu.in</a>  <a href="mailto:hod.civil@sairam.edu.in">hod.civil@sairam.edu.in</a></p>	<p><b>Mobile No:</b> Office : 8754502227  Personal : 9442893339</p>
<p><b>Designation</b></p>	<p><b>Professor &amp; Head of Department</b></p>
<p><b>Qualification</b></p>	<p><b>M.E., Ph.D</b></p>
<p><b>Area of Specialisation</b></p>	<p><b>Structural Engineering</b></p>

<b>Experience</b>	<b>Teaching:</b> <b>UG: 31 Years</b> <b>PG: 5 Years</b> <b>Industry: NIL</b>
<b>Governing Council Member</b>	<b>Government Central Polytechnic College, Taramani, Chennai</b>
<b>Affiliation Inspection Member</b>	<b>Anna University, Chennai</b>
<b>Number of Workshops/Conferences/ FDP Attended</b>	<b>Workshop:</b> National - 8 International - 10  <b>Conference:</b> National - 1 International - 3  <b>FDP: 38</b>
<b>Publication</b>	<b>Journals:</b> National - 5 International - 35 (SCI / SCOPUS/WOS)  <b>Conference:</b> National - 1 International - 3
<b>Research</b>	<ul style="list-style-type: none"> <li>❖ Research Scholars – 3 Completed, 4 Pursuing</li> <li>❖ Sponsored Research Works in the Coastal Region and Pazayar River basin in Kanyakumari District, Tamilnadu.</li> <li>❖ Research Supervisor in Anna University, Chennai.</li> <li>❖ Research Co Supervisor in Annamalai University, Chidambaram, Dr.M.G.R University, Chennai Bharath University, Chennai.</li> <li>❖ Consultancy works related to strength and stability analysis of Civil Engineering construction Materials</li> </ul>

<p><b>Awards</b></p>	<ol style="list-style-type: none"> <li>1. Received Mysore University Rank &amp; <b>Gold Medal</b> in B.E Degree Examinations 1991.</li> <li>2. Received Annamalai University Rank &amp; <b>Gold Medal</b> in M.E Degree Examinations 1994.</li> <li>3. <b>Research Excellence Award 2021, In Sc</b> – Institute of Scholars, Bangalore, Karnataka.</li> <li>4. <b>HUMCEN AWARD</b> – Social Innovator of the year 2021</li> <li>5. <b>IEI AWARD</b> – Best Faculty Advisor Award for the year 2021</li> <li>6. <b>Research Excellence Award 2022, In Sc</b> – Institute of Scholars, Bangalore, Karnataka.</li> <li>7. <b>Best Head of Department / Civil Award 2022, In Sc</b> – Institute of Scholars, Bangalore, Karnataka.</li> </ol>
<p><b>Professional Memberships</b></p>	<ol style="list-style-type: none"> <li>1. Indian Society of Technical Education (Member ship No. LM 41067) - <b>MISTE</b></li> <li>2. American Society of Civil Engineers (Member ship No. 9554769) - <b>MASC</b></li> <li>3. Institution of Engineers (India) (Member ship No. F-118105-6) - <b>FIE</b></li> <li>4. Indian Concrete Institute (Member ship No. LM 10055) - <b>MICI</b></li> <li>5. International Association of Engineers (Member ship No 133129) - <b>MIAENG</b></li> <li>6. International Association for Engineering and Management Education - <b>MIAEME</b></li> <li>7. Institution of Engineers (India) - <b>MI</b></li> <li>8. Indian Science Congress Association (Member ship No. L 23572) - <b>ISCA</b></li> <li>9. Life member – Environment Network, Collingwood, Canada</li> <li>10. Life member – Network of Indian Environment Professionals, Virginia, USA</li> <li>11. Life member – American Concrete Institute – Indian chapter LM 13.72 - <b>MACI</b></li> <li>12. Life Member – LM 120 / 2009 - International Journal of Nature</li> </ol>

	<p>Environment and Pollution Technology. – <b>IJNEPT – LM</b></p> <p>13. Life Member – World Academy of Science, Engineering and Technology-<b>WASET</b></p> <p>14. National Member – World Council of Civil Engineers, Spain – <b>WCCE</b></p> <p>15. International Association of Hydrological Sciences – <b>MIAHS</b></p> <p>16. IEEE Membership – <b>97789277</b></p> <p>17. InSc – Institute of Scholars <b>InSc 202185BF</b></p> <p>18. ATAL – AICTE Training and Learning Academy - No: <b>3106749</b></p> <p>19. IGBC – Indian Green Building Council member</p> <p>20. <b>Fellow Member - In Sc</b> – Institute of Scholars, Bangalore, <b>InSc202185BF</b></p>
<p><b>Achievements/Activities</b></p>	<p>1. Approved Ph.D Supervisor/ Joint Supervisor at Dr.M.G.R.University, Chennai, Bharath University, Chennai, Anna university, Chennai, SRM University, Annamalai University.</p> <p>2. Acted as Doctoral Committee member, Anna University.</p> <p>3. Publons - Web of science ID AAF-3416-2019. <b>H – Index – 3, i10 – index - 2</b></p> <p>4. Guest Lectures/key note lectures delivered.</p> <p>5. International/ National conference chaired.</p> <p>6. Produced 100 % Result in many subjects handled.</p>

### ACADEMIC QUALIFICATION:-

Degree	Regular/ Part time	University	Class	Year of Passing	Specialization
B.E	Regular	Mysore University	First class with Distinction <b>(GOLD MEDALIST)</b>	1991	CIVIL
M.E	Regular	Annamalai University	First class with Distinction <b>(GOLD MEDALIST)</b>	1994	STRUCTURE
Ph.D	Regular	Anna University, Chennai.	<b>Ph.D Awarded on 09-03-2009</b>		<b>CIVIL ENGINEERING</b> GROUNDWATER QUALITY ASSESSMENT AND GROUNDWATER FLOW MODELLING

## ACADEMIC EXPERIENCE:-

S.No	Name of the Institute	Designation	Year of Service	
			Year	Months
1.	Sri Sairam Engineering College, Chennai.	PROFESSOR & HOD	2	0
2.	R.M.K. College of Engineering & Technology, Chennai.	VICE PRINCIPAL & PROF.	8	3
3.	The Rajaas Engineering College, Tirunelveli.	PRINCIPAL & PROF.	2	10
4.	National College of Engineering, Tirunelveli.	PROF.	8	5
5.	The Indian Engineering College, Tirunelveli.	ASST. PROF.	6	3
6.	The Indian Engineering College, Tirunelveli.	LECTURER	1	1

## LIST OF PUBLICATIONS:- JOURNAL RECORD (SOURCE – PUBLONS)

1. **IJAES Journals** Dr.Bhagavathi Perumal S. and Dr.Thamarai P. - (2007), 'Groundwater quality after Tsunami in coastal area of Kanyakumari, South Tamilnadu, India', International Journal of Applied Environmental Sciences,ISSN 0973, December 2007, Vol. 2, No. 2 (2007), pp. 99-118. **(Scopus Indexed)**

2. **IJAES Journals** Dr.Bhagavathi Perumal S. and Dr.Thamarai P. - (2008), 'Groundwater quality after Tsunami in coastal area of Kanyakumari, South Tamilnadu, India', International Journal of Applied Environmental Sciences,ISSN 0973, March 2008, Vol. 3, No. 1 (2008), pp. 37-55. **(Scopus Indexed)**

3. **IJAES Journals** Dr.Bhagavathi Perumal S. and Dr.Thamarai P. - (2008), 'Groundwater level before and after Tsunami in coastal area of Kanyakumari, South Tamilnadu, India', International Journal of Applied Environmental Sciences, ISSN 0973, June 2008, Vol. 3, No. 2, pp. 139-147. **(Scopus Indexed)**

4. **IJAES Journals** Dr.Bhagavathi Perumal S. and Dr.Thamarai P. - (2008), 'Lithological studies of soil strata along the coastal area of Kanyakumari, South

Tamilnadu, India', International Journal of Applied Environmental Sciences, ISSN 0973, June 2008, Vol. 3, No. 2, pp. 177-184. **(Scopus Indexed)**

**5. IJAES Journals Dr.Bhagavathi Perumal S. and Dr.Thamarai P.** - (2008), 'Quality of water based on Total Dissolved Solids along the coastal area of Kanyakumari, South Tamilnadu, India', International Journal of Applied Environmental Sciences, ISSN 0973, June 2008, Vol. 3, No. 2, pp. 211-216. **(Scopus Indexed)**

**6. IJNEPT Journals Dr.Bhagavathi Perumal S. and Dr.Thamarai P.** - (2008), 'Groundwater quality and its suitable for drinking after Tsunami in coastal area of Kanyakumari, South Tamilnadu, India', International Journal of Nature Environment and Pollution Technology, June 2008, Vol. 7, No. 2, pp. 181-188. **(Scopus Indexed)**

**7. IJNEPT Journals Dr.Bhagavathi Perumal S. and Dr.Thamarai P.** - (2008), 'Lithological Studies and Types of Soils Along Coastal Area of Kanyakumari to Colachel Coastal Belt, South Tamilnadu, India', International Journal of Nature Environment and Pollution Technology, December 2008, Vol. 7, No. 4, pp. 713-718. **(Scopus Indexed)**

**8. IJEP Journals Dr.Bhagavathi Perumal S. and Dr.Thamarai P.,** - (2008) – Article No. G-21 – “Groundwater Quality and its suitability for domestic and irrigation”. ISSN 0253-7141 - Indian Journal of Environmental Protection (International Journal), September 2008, Volume – 28, No. – 9, PP 769 to 781. **( UGC - 20768)**

**9. IJNEPT Journals Dr.Bhagavathi Perumal S. and Dr.Thamarai P.,** - (2009) “Analysis of Water quality based on Total Dissolved Solids Along the Coastal Area of Kanyakumari, Tamilnadu, India”. ISSN 0972 – 6268 - International Journal of Nature Environment and Pollution Technology, March 2009, Volume – 8, No – 1, PP 123 – 125. **(Scopus Indexed)**

**10. IJNEPT Journals Dr.Bhagavathi Perumal S. and Dr.Thamarai P.,** – (2009) “ Rainfall Intensity and Quantity of Groundwater Along the Coastal Area of Kanyakumari to Colachel, South Tamil Nadu Before and After Tsunami”, International Journal of Nature Environment and Pollution Technology, June 2009, Volume – 8, No – 2, PP 323 – 328. **(Scopus Indexed)**

**11. IJEP Journals Dr.Bhagavathi Perumal S. and Dr.Thamarai P.,** - (2009) – Article No. G - 61 – “Groundwater level parameters along the coastal area”. ISSN 0253-7141 - Indian Journal of Environmental Protection (International Journal), February 2009, Volume – 29, No. – 2, PP 125 to 130. **(UGC - 20768)**

**12. IJEP Journals Dr.Bhagavathi Perumal S. and Dr.Thamarai P.,** - (2009) – Article No. G - 62 – “Types of soil along the coastal area”. ISSN 0253-7141 - Indian Journal of Environmental Protection (International Journal), September 2009, Volume – 29, No. – 9, PP 775 to 780. **(UGC - 20768)**

**13. IJEP Journals Dr.Bhagavathi Perumal S. and Dr.P.Thamarai,** – (2010) “Three – Dimensional Mathematical model to Simulate Groundwater flow in the coastal area of kanyakumari , Tamilnadu, India”. Indian Journal of Environmental Protection

(International Journal), February 2010, Volume – 29, No. – 9, PP 775 to 780. **(UGC - 20768)**

**14. IJEPJournals Dr.Bhagavathi Perumal S. and Dr.P.Thamarai, – (2010)**  
“Hydrogeological Studies Along the Coastal Area of Kanyakumari to Colachel After Tsunami, South TamilNadu”. Indian Journal of Environmental Protection (International Journal), October 2010, Volume – 30, No. – 10, PP 793 to 813. **(UGC - 20768)**

**15. IJEPJournals Dr.Bhagavathi Perumal S. and Dr.P.Thamarai, – (2011)**  
“Studies on Hydrogeochemistry Along the Coastal Area of Kanyakumari to Colachel After Tsunami, South TamilNadu”. Indian Journal of Environmental Protection (International Journal), March 2011, Volume – 31, No. – 3, PP 177 to 189. **(UGC - 20768)**

**16. IJEPJournals Dr.Bhagavathi Perumal S. and Dr.P.Thamarai, – (2011)**  
“Study of Water Quality along Pazhayar River Basin at Nagercoil, Kanyakumari, Tamilnadu”. Indian Journal of Environmental Protection (International Journal), June 2011, Volume – 31, No. – 6, PP 441 to 451. **(UGC - 20768)**

**17. IJEPJournals Dr.Bhagavathi Perumal S. and Dr.P.Thamarai, – (2011)** “Analysis of Intrusion of Wastewater from Coconut wastages into Groundwater in Kanyakumari coastal region, Tamilnadu ”. Indian Journal of Environmental Protection (International Journal), September 2011, Volume – 31, No. – 9, PP 779 to 786. **(UGC - 20768)**

**18. IJEPJournals Dr.Bhagavathi Perumal S.Dr.P.Thamarai and Padma.L – (2011)**  
Study of water quality along Pazhayar river basin at Nagercoil, Kanyakumari district, Tamil Nadu Indian Journal of Environmental Protection (International Journal);Volume 31No - 6; PP 441-451**(UGC - 20768)**

**19. IJEPJournals Dr.Bhagavathi Perumal S. and Dr.M.S.Palanichamy – (2013)**  
“River Water Quality in Veli River due to the contamination of waste water from Travancore Titanium Industry, Thiuvanandapuram.”. Indian Journal of Environmental Protection (International Journal), January 2013, Volume – 33, No. – 1, PP 28 to 46 **(UGC - 20768)**

**20. IJEPJournals Dr.Bhagavathi Perumal S. and Dr.M.S.Palanichamy – (2013)**  
“Analysis of Quality of treated and untreated water samples of Sun Paper industry – Cheranmahadevi, Tirunelveli Dist.” Indian Journal of Environmental Protection (International Journal), March 2013, Volume – 33, No. – 3. **(UGC - 20768)**

**21. IJEPJournals Dr.Bhagavathi Perumal S. and Dr.M.S.Palanichamy – (2013)**  
“Water Quality analysis of water sources near Travancore Titanium Industry, Thiuvanandapuram.”. Indian Journal of Environmental Protection (International Journal), June 2013, Volume – 33. **(UGC - 20768)**

**22. IJEPJournals Dr.Bhagavathi Perumal S. Dr.M.S.Palanichamy Dr.Thamarai.P and Subash Raja.S (2013)** “Water quality analysis of water sources near Travancore Titanium Industry”. Indian Journal of Environmental Protection (International Journal), September 2013, Volume – 33,No – 9 PP 767 to 785 **(UGC - 20768)**



**23. IJEPJournals Dr.Bhagavathi Perumal S. Dr.M.S.Palanichamy Dr.Thamarai.P and Subash Raja.S (2014)** “Analysis of quality of treated and untreated water samples of Sun Paper Industry, Cheranmahadevi, Tirunelveli”. Indian Journal of Environmental Protection (International Journal), January 2014, Volume – 34, No – 1 PP 37 to 41(UGC - 20768)

**24. IJEPJournals (2016) Indian Journal of Environmental Protection (International Journal) Dr.Bhagavathi Perumal S. Dr.M.S.Palanichamy Dr.Thamarai.P and V.Balaji Subramanian** “A study on Green Building Techniques to reduce the environmental impacts of buildings on human health and natural environment”. (International Journal), April 2016, Volume – 36, No – 4 PP318 to 323 (UGC - 20768)

**25. IJEPJournals (2016) Indian Journal of Environmental Protection (International Journal) Dr.Bhagavathi Perumal S. Dr.M.S.Palanichamy Dr.Thamarai.P and Aneesha.D.C,** “A study on the Classification of Water Quality, Pazhayar River Basin, Kanyakumari District, Through Aggregation of Water Quality Index”. January 2016, Volume 36, PP59 to 68 (UGC - 20768)

**26. IJEPJournals (2016) Indian Journal of Environmental Protection (International Journal) Dr.Bhagavathi Perumal S. Dr.M.S.Palanichamy Dr.Thamarai.P and Priji E Mases,** “QUALITY OF WATER IN THAMIRABARANI RIVER BASIN ORIGINATED FROM PAPANASAM, TIRUNELVELI DISTRICT, TAMIL NADU”. September 2016, Volume 36 PP 704 to 709. (UGC - 20768)

**27. IJEPJournals (2016) ISSN 0253 – 7141, Volume 36, Number 1, January 2016 Page 493 to 508 - Indian Journal of Environmental Protection(International Journal) Dr.Bhagavathi Perumal S. Dr.M.S.Palanichamy Dr.Thamarai.P and Priji E Mases** “Classification of Water Quality by Water Quality Index of Perennial River Tamirabarani, Tirunelveli, Tamilnadu”. (UGC - 20768)

**28. IOSR Journal(2016) International Organization of Scientific Research** “Latest Advances in Alternative Cementations Binders than Portland Cement” Impact Factor 1.753 Vol 13, Issue 5 Ver. 1 Sept to Oct Page No. 45 to 53. Dr.Bhagavathi Perumal S & Priji E Mases (Scopus Indexed/UGC)

**29. IOSR Journal(2016) International Organization of Scientific Research** “Hydration of Cement and its Mechanisms” Impact Factor 1.753 Vol 13, Issue 6 Ver. 1 Nov to Dec Page No. 17 to 31 Dr.Bhagavathi Perumal S & Priji E Mases (Scopus Indexed/UGC)

**30. ELSEVIER AND SCOPUS INDEXED JOURNAL. (2019) – Test Engineering and Management. Paper ID - TEM 78, ISSN – 0193 – 4120, Volume 82, Jan Feb 2020, Page No. 14861 – 14867. Dr.S. Bhagavathi Perumal, Dr L. Elango** Paper Title: “Simulation of Ground water flow in the coastal area of Kanyakumari , South India, by Three Dimensional Mathematical Mode”.  
<http://www.testmagazine.biz/index.php/testmagazine/index> (Scopus Indexed)

**31. ELSEVIER AND SCOPUS INDEXED JOURNAL. (2020)– Test Engineering and Management. Paper ID - TEM 1740,**



**Paper Title:** “Analysis of Water quality at Thamirabarani Perennial River Estuary, Tirunelveli District, South India”. **Dr.S. Bhagavathi Perumal, Dr L. Elango**  
<http://www.testmagzine.biz/index.php/testmagzine/index> (Scopus Indexed)

**32. International Journal of Research, (2021), IJR, ISSN 2348-6848, “Study of water quality parameters for Interlinking of Thamirabarani and Vaigai river basin”. (UGC) ID – IJR 210216RP10 , Dr.S. Bhagavathi Perumal, Prof.S.Kandasamy**

**33. International Journal of Applied Engineering Research (IJAER) (2021) Paper Code 72138, 0973 – 4562. UGC Journal No. 64529 Scopus Index “Study of water quality classifications by water quality index of Thamirabarani River basin , Tirunelveli, South India”. Dr.S. Bhagavathi Perumal, Prof.S.Kandasamy**

**34. International Journal for Science Research and Development, (IJSRD) (2021), ISSN 2321-0613, ID-IJSRDV9I 10130, IF 4.396, “Analysis of Ground water Defluoridation by adsorption process”. IJSRD Volume 9, Issue 1, 2021 Page 187 to 190 (UGC). Mrs. Pamila Ramesh, Mrs.Sujaatha.A, Dr.S. Bhagavathi Perumal**

**35. International Journal of Applied Engineering Research (IJAER) (2021) Paper Code 72115, 0973 – 4562. VOLUME 16, Number 4,Page 271 –277 UGC Journal No. 64529 Scopus Index “Interlinking of Thamirabarani and Vaigai River basin based on its possible water quality parameters in South Tamilnadu, India”. Dr.S. Bhagavathi Perumal, Prof.S.Kandasamy.**

**36. International Journal of Applied Engineering Research (IJAER) (2021) Paper Code 72115, 0973 – 4562. VOLUME 16, Number 4,Page 293 – 301, UGC Journal No. 64529 Scopus Index “Study of Water Quality classifications by water quality index of Tamirabarani river basin, Tirunelveli, South India”. Dr.S. Bhagavathi Perumal, Prof.S.Kandasamy, Dr.N.Suganya.**

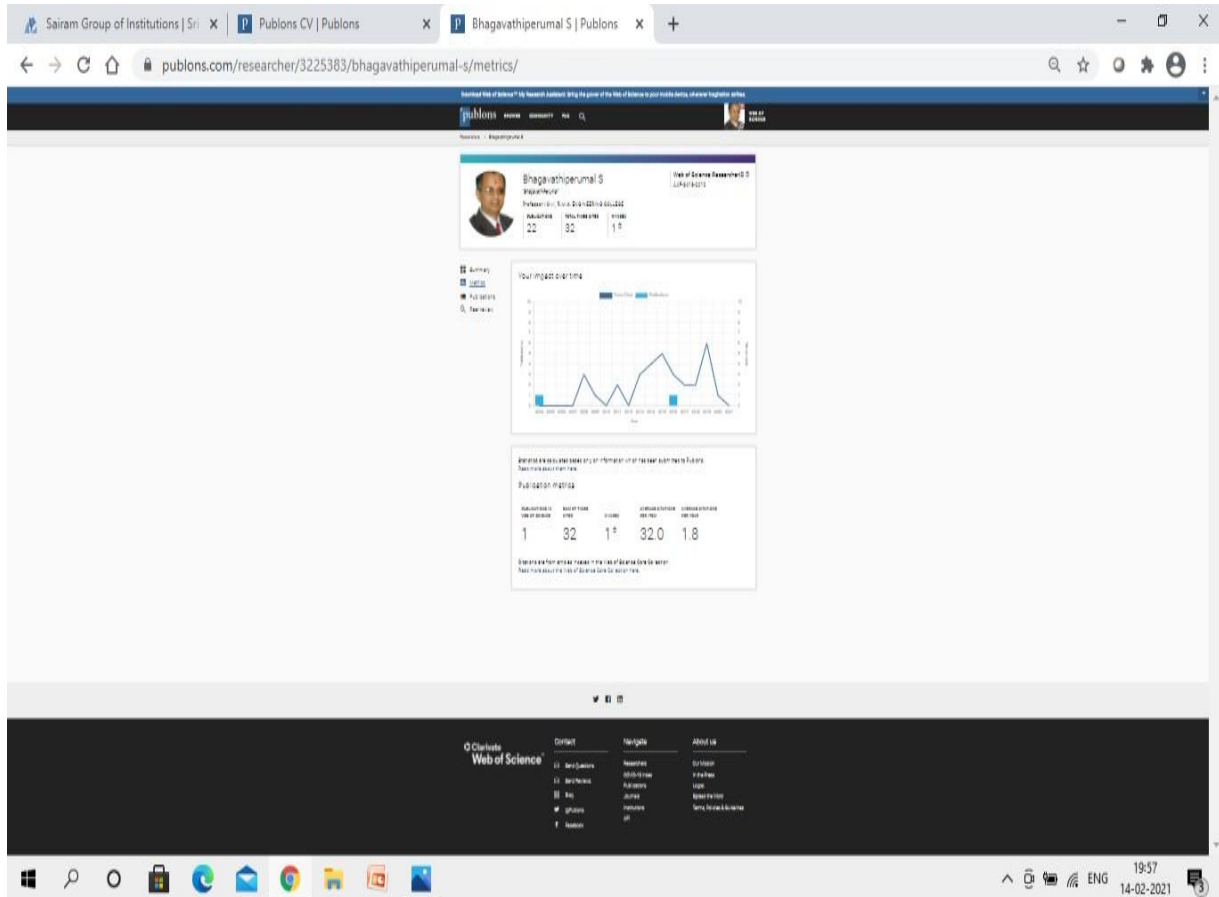
**37. Hindawi – Advances in Civil Engineering – SCI – Volume 2021 – Article ID – 2821419, 14 pages, “Investigation of Mechanical and Durability Properties of Concrete Mixed with water Exposed to a Magnetic Field. Dr. Bhagavathi Perumal.**

**38. Hindawi – Advances in Material Science and Engineering – SCI – Volume 2022 – Article ID – 3035169, 9 pages, “Natural Fiber Incorporated Polymer Matrix Composites for Electric Circuit Board Application“. Dr. BhagavathiPerumal. <http://doi.org/10.1155/2021/2821419>**

**39. POLLUTION RESEAECH – ECOLOGY ENVIRONMENT AND CONSERVATION ASIAN JOURNAL OF MICROBIOLOGY BIOTECHNOLOGY & ENVIRONMENTAL SCIENCE – Poll Res.41(2): 298-303 (2022) SCOPUS – ISSN 0257 – 8050 – ISSN 0257-8050 – Article 39 - “Utilisation Possibilities of Infection Waste Plastic Materials Towards Environmental Sustainability”. Dr. BhagavathiPerumal.**

**40. SPRINGER - An integrated CRITIC – TOPSIS and Entropy – TOPSIS based informative weighting and ranking approach for evaluating green energy soyrces and its experimental analysis on pyrolysis – SPRINGER – Environmental Science and Pollution Research – SCI journal Date – 8 April 2022. Dr.S.Bhagavathi Perumal**

**41. Hindawi –A Holistic Frame work for Environment Consious Based Material selection and Experimental Assessment using Digraph Based Expert system, Volume 2022, Article ID – 2112683, 10 Pages.http://10.1155/2022/2112683. Dr.S.Bhagavathi Perumal**



The screenshot shows a web browser window with the URL `publons.com/researcher/3225383/bhagavathiperumal-s/metrics/`. The page displays the profile of researcher Bhagavathi Perumal S. The profile includes a bio, a 'Your impact over time' line graph, and a 'Publication metrics' table.

**Publication metrics table:**

Publications	h-index	g-index	Researcher Score	Researcher Index
1	32	1*	32.0	1.8

The 'Your impact over time' graph shows a fluctuating trend in impact from 2015 to 2021, with a notable peak in 2021. The 'Publication metrics' table provides a summary of the researcher's performance, including a single publication, an h-index of 32, a g-index of 1, a Researcher Score of 32.0, and a Researcher Index of 1.8.

## **Patent Published / Granted**

1. The patent office Journal No. 45/2021 dated 5/11/2021 – Title – Potential Resource Recovery from Municipal Solid waste using Refused Derived Fuel. Application No. 202141042868 A
2. The patent office Journal No. 22673/2021 – CO/L dated 03/01/2022 – Title – A Precious System Agriculture using AI and IoT for Illiterate Farmers.
3. **Granted Patent – Copy Right – I – 112969 / 2022 Date – 14-03-2022 – Title – A precision system agriculture using AI and IOT for illiterate farmers.**




## **Papers Published in Conference:- International Conference:-**

1. Recent Trends in Water Management – January 21 & 22 – 2004  
(Alagappa Chettiar College of Engineering & Tech)  
Presented paper :-Ground water Modelling  
Dr.S.Bhagavathi Perumal, Dr.P.Thamarai
2. Developments in Water science & Management  
March 11 & 12 – 2004  
(Vellore Institute of Technology)  
Presented paper :- Groundwater Management  
Dr.S.Bhagavathi Perumal, Dr.P.Thamarai
3. Recent Advances in Civil Engineering – March 25 & 27 – 2004  
(Cochin University of Science& Tech)  
Presented paper:-Seawater Intrusion into Groundwater  
Dr.S.Bhagavathi Perumal, Dr.P.Thamarai

## National Conference:-

1. Management of sustainable Environment – March 5 & 6 – 2004  
(Manonmaniam Sundaranar University)  
Presented paper:-Flood control Methods  
Dr.S.Bhagavathi Perumal, Dr.P.Thamarai

## Text Books:-

1. Basic Civil and Mechanical Engineering –  Tata Mc Graw Hills Publication.New Delhi. **Dr.M.S.Palanichamy, Dr.S.Bhagavathi Perumal, Dr.Shanmugam**, Year of Publication (Revised) 2015 - 16
2. Civil Engineering Building Drawing –  Saras Printers , AR Camp Road, Nagercoil, Kanyakumari Dist. **Dr.S.Bhagavathi Perumal**, Year of Publication 1998.
3. Mechanics of Solids -  Saras Printers , AR Camp Road, Nagercoil, Kanyakumari Dist. **Dr.S.Bhagavathi Perumal**, Year of Publication 1999.

## Research Scholars Guided:-

SINo.	Name of Scholar	Reg.No.	University	Status
1.	C.Chella Giftha	20117101004	Anna university	Completed
2.	Priji. E. Moses	D14CE006	Bharath University	Pursuing
3.	Pandi	201111012	Anna University	Completed
4.	A.Ravi	20117101002	Anna University	Completed
5.	S.Sivaranjani (Joint Supervisor)	AY - 2022	Annamalai University	Pursuing
6.	S.Kandasamy (Joint Supervisor)	AY - 2022	Annamalai University	Pursuing

## Journal Editorial:-

SI No.	Position	Name	From	To
1.	Editorial Board Member	World Academy of Science Engineering and Technology	2016	Till Date
2.	Editorial Board Member	International Association for Engineering and Management Education (IAEME)	2016	Till Date
3.	Editorial Board Member	International Journal of Water Resources and Environmental Engineering	2010	Till Date
4.	Editorial Board Member	International Journal of Engineering Research & Technology (IJERT)	2021	Till Date
5.	Editorial Board Member	Journal of Institute of Scholars (InSc)	2021	Till Date

## Research Funded Projects / FDP / Conference / Seminar / Work shop Applied & Granded

SI No.	Name of the Project / Event	Funding Agency	Amount	Duration
1.	Effect of Seismic forces and Structural performance during Earthquake. Dr.E.B.Perumal Pillai, Chairperson Dr.Bhagavathi Perumal, Convener RMK College of Engg & Tech	Ministry of Earth Science, New Delhi	70000	28 Oct 2013
2.	Quality Research in Engineering Education Dr.E.B.Perumal Pillai, Chairperson Dr.Bhagavathi Perumal, Convener RMK College of Engg & Tech	Council of Science and Industrial Research, HRD, New Delhi.	33000	25 Nov 2013
3.	Latest Trend in Nano Technology and its Application in Defence Engineering . Dr.E.B.Perumal Pillai, Chairperson Dr.Bhagavathi Perumal, Convener RMK College of Engg & Tech	Defence Research and Development Organisation	35000	12 May 2014

4.	Advancement in Mechanics of Solids. Dr.E.B.Perumal Pillai, Chairperson Dr.Bhagavathi Perumal,Convener RMK College of Engg & Tech	Indian Society for Technical Education (STTPS schme)	10000	19May 2014 to 23May2014
5.	Application of Fluid Mechanics in Thermal Engineering . Dr.K.R.Senthil Kumar, Chairperson Dr.Bhagavathi Perumal,Convener RMK Engineering College	Council of Science and Industrial Research, HRD, New Delhi.	50000	12 March 2020
6.	Geopolymer Concrete with Scrap Steel Slag Coarse Aggregate Dr.Suganya Dr.Bhagavathi Perumal Sri Sairam Engineering College	DST	100000	Applied August 2021
7.	Pre – Engineered Lightweight Expande Polystyrene Sandwich Panel as Wall Dr.Bhagavathi Perumal Mr. Sivaramakrishnan Sri Sairam Engineering College	DST	100000	Applied August 2021
8.	Bamboo reinforced concrete with fly ash and bone powder Dr.Bhagavathi Perumal Mr. Mohammed Ashick.R Sri Sairam Engineering College	DST	100000	Applied August 2021
9.	AICTE – ATAL TOUR	AICTE	200000	Granted in July 2021

## Participation in Educational Activities:-

### 1. Faculty Development Programmes.

SI.No.	Topic	Institution
1	Virtual Teaching	CIT, Coimbatore
2	Expectation of industry from students	Mangalam College of Engineering, Kerala
3	Recent Advances in Science and Technology	IIT Chennai
4	Ruby Programming	VIT, Chennai
5	Innovation and Start Up	R.M.K.Engineering College, Chennai
6	Beyond the Boundaries	Swami Kasavanand Institute of Technology, Jaipur
7	Shock Waves	Kumaraguru College of Technology, Coimbatore
8	Language Essentials	Kumaraguru College of Technology, Coimbatore
9	Ethics and Values in Teaching and Learning	Kumaraguru College of Technology, Coimbatore
10	Academic writting	Kumaraguru College of Technology, Coimbatore
11	Virtual Reaching & Learning – Efficient way	Dr M.G.R University , Chennai

12	Patent filling and Prosecution	Kumaraguru College of Technology, Coimbatore
13	Research Methodology	Jeppiaar Institute of Technology, Chennai
14	Industry led Training	R.M.K.Engineering College, Chennai
15	Sustainable Development Goals	R.M.K.Engineering College, Chennai
16	Class room to Construction site	PERI Institute of Technology, Chennai
17	Challenges and Issues in Intellectual Property Rights	R.M.D. Engineering College, Chennai
18	Product Inovation and Design thinking	R.M.K.Engineering College, Chennai
19	Patent Act, Drafting	R.M.D. Engineering College, Chennai
20	Project Management using PRIMAVERA	KPR Institute of Engineering & Technology, Coimbatore
	Structural Analysis & Design using E Tabs	KPR Institute of Engineering & Technology, Coimbatore
21	Recent trend in Concree Technology & Admixture	Rajalakshmi Engineering College, Chennai
22	Education for GEN Z	Manipal University
23	NAAC – The new format A Paradigm	Noorul Islam University, Kanyakumari
24	Soil Stailisation using PVD	PSG Institute of Technology, Coimbatore
25	Effective Design Process	SONA College of Technology, Salem
26	Outcome based Education and online tools for interactive teaching	Noorul Islam University, Kanyakumari
27	Sustainable Water Management	PSG Institute of Technology, Coimbatore
28	Concrete Technology	PSG Institute of Technology, Coimbatore
29	Green Building Certification	PSG Institute of Technology, Coimbatore
30	Design of RCC structure	K.S. Rangasamy College of Technology, Tiruchencode
31	IoT Applications in Smart City	SRM Easwari Engineering College, Chennai
32	Studies on corrossion behaviour of Ternary Blended Concrete	CIT, Coimbatore
33	Techniques for inccessing the strength and stability of concrete	Hindustan College of Engineering, Coimbatore
34	Recent developments in steel structures	CIT, Coimbatore
35	Remote sensing on crop monitoring	Indian Institute of Remote sensing



## 2. Guest Lecture.

SI.No.	Presented Topics
1	Sustainable Building and Rating system
2	Fundamentals of Cement Concrete
3	Education – Industry 4.0
4	Carrear oppertunities in Civil Engineering
5	Civil Engineers in IT industries
6	IS Codes in Civil Engineering – Out look
7	Fundamentals og Engineering Mechanics
8	Relation between SFD & BMD – Determinate & Indeterminate structures
9	Static & Dynamic Civil Structures
10	Different Grade of Cement Concrete Mix & its workability
11	Cracks in Buildings & Preventive measures
12	Strength & Stability of Buildings in different types of soils
13	Admixtures in Cement Concrete
14	Bridge Engineering
15	Types of Dams
16	Stability of Retaining walls
17	Mode of Transpotations & Uses
18	Repair & Rehabilitasion of structures
19	Foundations & its stability
20	Characteristic futures of Cement & cement Concrete

## 3. Work Shop / Conference / FDP Attended:-

1. Participated in the Two days Faculty Development Refresher Programme “ACADEMIC EXCELLENCY” organized by ISTE Chapter, R.M.K. College of Engineering and Technology, Chennai on 17 & 18 December 2013.
2. Participated in the Two days Faculty Development Refresher Programme “ACADEMIC EXCELLENCY” organized by ISTE Chapter, R.M.K. College of Engineering and Technology, Chennai on 15 & 16 June 2015.
3. Participated in the One day Faculty Development ISO 9001 – 2015 Training Programme organized by R.M.K. College of Engineering and Technology, Chennai on 13 July 2016.
4. Participated in the one day FacultyDevelopment Programme” COLLEGE COMPANION” organized by ISTE Chapter, R.M.K. College of Engineering and Tehnology, Chennai on 14 July 2018.
5. Participated in the Two days Faculty Development Programme” Innovative Pedagogies for Quality Enhancement in Engineering Education” organized by ISTE Chapter, R.M.K. Engineering College , Chennai on 24 & 25 January 2020.
6. Participated in the One day Faculty Development Programme – Webinar ” Expectation of Industry from Students” organized by IEEE Chapter, Mangalam College of Engineering, Kottayam, Kerala on 1 May 2020.
7. Participated in the One day Faculty Development Programme – Webinar ” Knowledge Based Innovative MSME Schemes for Academic Institutions” organized by IEEE Chapter, Mangalam College of Engineering, Kottayam, Kerala on 16 May 2020.

8. Participated in the Two day Faculty Development Programme – Online "Ruby Programming" organized by VIT, University, Chennai, association with IIT, Bombay, On 11 & 12 May 2020.
9. Participated in the One day Faculty Development Programme – Leadership Talk, Webinar By Dr. Pramod Chaudhari, Founder Chairman, Industries Ltd. And Dr. Abhay Jere Chief Innovation Officer, MHRD, New Delhi, organized by MHRD, INNOVATION CELL, 16 May 2020.
10. Participated in the One day Faculty Development Programme – Webinar " Role of Cobot in Smart Manufacturing & Post Covid" organized by IEEE Chapter, Mangalam College of Engineering, Kottayam, Kerala on 22 May 2020.
11. Participated in the One day Faculty Development Programme – Webinar " Foss TCAD / EDA Tools for Semiconductor device Modelling" organized by IEEE Chapter, Mangalam College of Engineering, Kottayam, Kerala on 28 May 2020.
12. Participated in the One day Faculty Development Programme – Webinar " Brain Computer Interface" organized by PANTECH SOLUTIONS, R.M.K. Engineering College, Chennai, 5 June 2020.
13. Participated in the One day Faculty Development Programme – Webinar " Brain Controlled Robot Design" organized by PANTECH SOLUTIONS, R.M.K. Engineering College, Chennai, 6 June 2020.
14. Participated in the One day Faculty Development Programme - Knowledge 4.0, " Future Electric Grid" organized by Chennai Institute of Technology, Chennai on 8 June 2020.
15. Participated in the One day Faculty Development Programme - Knowledge 4.0, " Fundamentals of Computational Fluid Dynamics" organized by Chennai Institute of Technology, Chennai on 9 June 2020.
16. Participated in the One day Faculty Development Programme - Knowledge 4.0, " Graduate as an Employable Engineer" organized by Chennai Institute of Technology, Chennai on 10 June 2020.
17. Participated in the One day Faculty Development Programme – Webinar " Multiplier effect of COVID 19 on Industry 4.0 & Education 4.0" organized by IEEE Chapter, Mangalam College of Engineering, Kottayam, Kerala on 11 June 2020 .
18. Participated in the One day Faculty Development Programme - Knowledge 4.0, " Tips on effective ways of scientific literature search" organized by Chennai Institute of Technology, Chennai on 11 June 2020.
19. Participated in the One day Faculty Development Programme - Knowledge 4.0, " How to control the restless mind" organized by Chennai Institute of Technology, Chennai on 12 June 2020.
20. Participated in the One day Faculty Development Programme - Knowledge 4.0, " Fourth state of matter and its applications" organized by Chennai Institute of Technology, Chennai on 13 June 2020.
21. Participated in the One day Faculty Development Programme - Webinar, " Challenges in making durable concrete" organized by Vaagdevi College, Hyderabad, on 13 June 2020.
22. Participated in the One day Faculty Development Programme - Webinar, " The Impact of Covid 19 pandemic on Academic" organized by Krishna Institute, Bijnor on 14 June 2020.
23. Participated in the One day Faculty Development Programme - Webinar, " Studies on Corrosion Behaviour Ternary Blended Concrete" organized by Coimbatore Institute of Technology, Coimbatore on 22 June 2020.
24. Participated in the One day Faculty Development Programme - Webinar, " Sustainable Architecture" organized by Kumaraguru College of Engineering, Coimbatore on 29 June 2020.

25. Participated in the One day Faculty Development Programme - Webinar, " Introduction to BIM The Impact of Covid 19 pandemic on Academic" organized by KPR Institute of Engineering and Technology, Coimbatore on 07 June 2020.
26. Participated in the One day Faculty Development Programme - Webinar, " Smart Cities for Sustainable Development" organized by Sri RamaKrishna Engineering College, Coimbatore on 01 July 2020.
27. Participated in the One day Faculty Development Programme - Webinar, " Soil Stabilisation Using PVD" organized by PSG Institute of Technology and Applied Research , Coimbatore on 16 June 2020.
28. Participated in the One day Faculty Development Programme - Webinar, " Finite Element method – Simple way to learn" organized by PSG Institute of Technology and Applied Research , Coimbatore on 17 June 2020.
29. Participated in the One day Faculty Development Programme - Webinar, " White Rock Pier Construction" organized by PSG Institute of Technology and Applied Research , Coimbatore on 18 June 2020.
30. Participated in the One day Faculty Development Programme - Webinar, " Sustainable Water Management" organized by PSG Institute of Technology and Applied Research , Coimbatore on 19 June 2020.
31. Participated in the One day Faculty Development Programme - Webinar, " Safe and Clean Environment for Healthy Living" organized by Dr.N.G.P. Institute of Technology, Coimbatore on 02 Mach 2021.
32. Participated in the One day Faculty Development Programme - Webinar, " Advancement in Concrete Technology" organized by Dr.N.G.P. Institute of Technology, Coimbatore on 19 Mach 2021.
33. Participated in the One day Faculty Development Programme - Webinar, " Energy Conservation – Opportunities and Challenges" organized by Institution of Engineers, India on 18 Mach 2021.
34. Participated in the One day Faculty Development Programme - Webinar, " Progressive Innovations in Land Surveying" organized by SRM Institute of Science & Technology, Chennai on 26 Mach 2021.
35. Participated in the One day Faculty Development Programme - Webinar, " Building Resilience Reinforced Soil walls" organized by Institution of Engineers, India on 31 Mach 2021.
36. Participated in the One day Faculty Development Programme - Webinar, " Education Paradigm – Past, Present, Future" organized by Government Engineering College, Surat, India on 06 April 2021.
37. Participated in the One day Faculty Development Programme - Webinar, " Engineering for Sustainable Growth" organized by Institution of Engineers, India on 06 April 2021.
38. Participated in the One day Faculty Development Programme - Webinar, " Sesmic Retrofitting" organized by Sethu Institute of Technology, Madurai on 10 April 2021.
39. Participated in the One day Faculty Development Programme - Webinar, " Innovative Investigation Techniques and Data Processing for the Assessment of Bridge" by SRM Institute of Science & Technology, Chennai on 07 April 2021.
40. Participated in the One day Faculty Development Programme - Webinar, " How to become an Entrepreneur & Develop startups" organized by Sengunthar Engineering College, Tiruchencode, on 20 April 2021.
41. Participated in the One day Faculty Development Programme - Webinar, " Deep Decarbonisation of Building, Cities and our Built Environment" organized by Presidency University, Karnataka on 22 April 2021.

42. Participated in the One day Faculty Development Programme - Webinar, "Reinvigorating Human Capital through excellence in education" organized by KALINGA University, Raipur, Chhattisgarh on 01 May 2021.
43. Participated in the One day Faculty Development Programme - Webinar, "Circular economy through sustainable management" organized by K S R College of Engineering on 24 April 2021 to 01 May 2021.
44. Participated in the One day Faculty Development Programme - Webinar, "Recent Trend in Geotechnical Engineering" organized by IIT, TIRUPATHI on 24 April 2021.
45. Participated in the One day Faculty Development Programme - Webinar, "Geotechnical Engineering – Challenges and Opportunities" organized by The Institution of Engineers, on 30 April 2021.
46. Participated in the One day Faculty Development Programme - Webinar, "Civil Engineering with use of Machine Learning and SAP" organized by SAGE UNIVERSITY, INDORE on 08 May 2021.
47. Participated in the One day Faculty Development Programme - Webinar, "Challenges in Design and Construction of Tallest Bridges" organized by SRM Institute of Science and Technology, Chennai on 06 May 2021.
48. Participated in the One day Faculty Development Programme - Webinar, "Sustainability and Engineering Education" organized by VIT University, Chennai on 07 May 2021.
49. Participated in the One day Faculty Development Programme - Webinar, "Outcome Based Teaching Learning Process in Technical Education" organized by NITTTR, CHENNAI on 06 May 2021.
50. Participated in the One day Faculty Development Programme - Webinar, "Estimation and Costing" organized by Nehru Institute of Technology, Coimbatore on 12 May 2021.
51. Participated in the One day Faculty Development Programme - Webinar, "Engineer to Entrepreneur" organized by Sengunthar Engineering College, Tiruchengode on 14 May 2021.
52. Participated in the One day Faculty Development Programme - Webinar, "Renewable Energy" organized by Mandsaur University, Mandsar on 15 May 2021.
53. Participated in the One day Faculty Development Programme - Webinar, "Geophysical Application in Civil Engineering" organized by Karpaga Vinayagar College of Engineering and Technology on 07 May 2021.
54. Participated in the One day Faculty Development Programme - Webinar, "Research Article Writting" organized by Arasu Engineering College, Kumbakonam on 18 May 2021.
55. Participated in the One day Faculty Development Programme - Webinar, "Energy Swaraj – Essence of Sustainability" organized by Mandsaur University on 18 May 2021.
56. Participated in the One day Faculty Development Programme - Webinar, "Hybrid Energy storage device" organized by Sree Sastha Institute of Engineering and Technology on 17 May 2021.
57. Participated in the One day Faculty Development Programme - Webinar, "Plastics Injection Mold Design and Development" organized by Arasu Engineering College, Kumbakonam on 19 May 2021.
58. Participated in the One day Faculty Development Programme - Webinar, "Fastening System in Concrete Construction" organized by The Institution of Engineers on 14 May 2021.



59. Participated in the One day Faculty Development Programme - Webinar, " 3 D printing in Construction" organized by Dr.NGP Institute of Technology, Coimbatore on 21 May 2021.
60. Participated in the One day Faculty Development Programme - Webinar, " Insight of National Educational Policy" organized by Dr. Ambedkar Institute of Technology, Karnataka on 21 May 2021.
61. Participated in the One day Faculty Development Programme - Webinar, " Green Building" organized by SAGE UNIVERSITY on 22 May 2021.
62. Participated in the One day Faculty Development Programme - Webinar, " Importance of Biological Diversity" organized by Laki Reddy Bali Reddy College of Engineering, Andhra Pradesh on 22 May 2021.
63. Participated in the One day Faculty Development Programme - Webinar, " Concrete A 360 degree view from quality perspective" organized by SRM INSTITUTE OF TECHNOLOGY, CHENNAI on 24 May 2021.
64. Participated in the One day Faculty Development Programme - Webinar, " structural Monitoring of Bridges" organized by NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY on 21 May 2021.
65. Participated in the One day Faculty Development Programme - Webinar, " INTERNATIONAL TRENDS AND TECHNOLOGY IN CIVIL ENGINEERING" organized by NEHRU INSTITUTE OF TECHNOLOGY, COIMBATORE on 19 May 2021.
66. Participated in the One day Faculty Development Programme - Webinar, " INFORMATION TO BUILDING INFORMATION MODELLING" organized by MD SATHAK COLLEGE OF ENGINEERING, CHENNAI on 22 May 2021.
67. Participated in the One day Faculty Development Programme - Webinar, " CONCRETE CRACKING" organized by AMERICAN CONCRETE INSTITUTE on 28 May 2021.
68. Participated in the One day Faculty Development Programme - Webinar, " READY MIX CONCRETE TO READY MADE BUILDING" organized by ULTRA CEMENT on 29 May 2021.
69. Participated in the One day Faculty Development Programme - Webinar, " BUILD YOUR ICONIC CAREER" organized by IHRD on 22 May 2021.
70. Participated in the One day Faculty Development Programme - Webinar, " USE OF INNOVATIVE MATERIALS FOR CONCRETE APPLICATION " organized by ICI AND ULTRA TECH CEMENT , CHENNAI on 29 MAY 2021.
71. Participated in the One day Faculty Development Programme - Webinar, " MUNICIPAL SOLID WASTE MANAGEMENT " organized by SRI VENKATESWARA COLLEGE OF ENGINEERING, CHENNAI on 01 JUNE 2021.
72. Participated in the One day Faculty Development Programme - Webinar, " DESIGN OF TALL BUILDINGS " organized by KARPAGAM UNIVERSITY on 04 JUNE 2021.
73. Participated in the One day Faculty Development Programme - Webinar, " ECOLOGICAL RESTORATION OF COOVAM RIVER FOR SINGARA CHENNAI " organized by SRM UNIVERSITY, CHENNAI on 05 JUNE 2021.
74. Participated in the One day Faculty Development Programme - Webinar, " DREDGING OF RECIAMATION CAREER CHOICE " organized by DR.N.G.P. INSTITUTE OF TECHNOLOGY, COIMBATORE on 09 JUNE 2021.
75. Participated in the One day Faculty Development Programme - Webinar, " EMPLOYMENT OPPERTUNITIES IN CIVIL ENGINEERING " organized by NPR COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDUGAL on 11 JUNE 2021.

76. Participated in the One day Faculty Development Programme - Webinar, "ADVANCES IN PRE ENGINEERED BUILDINGS " organized by SSN COLLEGE OF ENGINEERING, CHENNAI on 12 JUNE 2021.
77. Participated in the One day Faculty Development Programme - Webinar, "WATER AND WASTE WATER TREATMENT TECHNOLOGY " organized by DR. N.G.P.INSTITUTE OF TECHNOLOGY, COIMBATORE on 12 JUNE 2021.
78. Participated in the One day Faculty Development Programme - Webinar, " WOMEN EMPOWERMENT " organized by DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, KARNATAKA on 12 JUNE 2021.
79. Participated in the One day Faculty Development Programme - Webinar, " WATER AND WASTE WATER TREATMENT TECHNOLOGY " organized by Dr.NGP institute of technology, Coimbatore on 12 JUNE 2021
80. Participated in the One day Faculty Development Programme - Webinar, " OVER VIWE OF ADVANCE IN CONCRETE " organized by ICI, on 12 JUNE 2021
81. Participated in the One day Faculty Development Programme - Webinar, " RIVER REJUVENATION CHALLENGES TO CIVIL ENGINEERS " organized by VIVEKANANDA INSTITUTE OF TECHNOLOGY, KARNATAKA on 13 JUNE 2021
82. Participated in the One day Faculty Development Programme - Webinar, " LIQUEFACTION IN BUILDINGS " organized by SONA COLLEGE OF TECHNOLOGY, KARNATAKA on 12 JUNE 2021
83. Participated in the One day Faculty Development Programme - Webinar, " INDUSTRY 4.0 " organized by ALPHA COLLEGE OF ENGINEERING on 19 JUNE 2021
84. Participated in the One day Faculty Development Programme - Webinar, " INNOVATION – WHAT, HOW, WHY " organized by MANGALAM COLLEGE OF ENGINEERING on 24 JUNE 2021
85. Participated in the One day Faculty Development Programme - Webinar, " CONCRETE AND ITS ADVANCEMENTS " organized by VAAGADI COLLEGE OF ENGINEERING, CHETTINAD CEMENTS, KARNATAKA on 25 JUNE 2021
86. Participated in ONLINE TRAINING Programme - " EARTHQUAKE RISK " organized by NATIONAL INSTITUTE OF DISASTER MANAGEMENT, MINISTRY OF HOME AFFAIRS, NEW DELHI, GOVT. OF INDIA, on 12 JUNE 2021
87. Participated in ONLINE TRAINING Programme - " ENVIRONMENT AND LAND USE " organized by NATIONAL INSTITUTE OF DISASTER MANAGEMENT, MINISTRY OF HOME AFFAIRS, NEW DELHI, GOVT. OF INDIA, on 11 JUNE 2021
88. Participated in ONLINE TRAINING Programme - " LANDSLIDE RISK " organized by NATIONAL INSTITUTE OF DISASTER MANAGEMENT, MINISTRY OF HOME AFFAIRS, NEW DELHI, GOVT. OF INDIA, on 15 JUNE 2021
89. Participated in ONLINE TRAINING Programme - " COVID 19 THIRD WAVECHALLENGES " organized by NATIONAL INSTITUTE OF DISASTER MANAGEMENT, MINISTRY OF HOME AFFAIRS, NEW DELHI, GOVT. OF INDIA, on 12 JUNE 2021
90. Participated in ONLINE TRAINING Programme - " ROLE OF SYBERSECURITY TECHNOLOGY IN DISASTER MANAGEMENT " organized by NATIONAL INSTITUTE OF DISASTER MANAGEMENT, MINISTRY OF HOME AFFAIRS, NEW DELHI, GOVT. OF INDIA, on 11 JUNE 2021
91. Participated in ONLINE TRAINING Programme - " CHILD CENTRIC DISASTER RISK " organized by NATIONAL INSTITUTE OF DISASTER MANAGEMENT, MINISTRY OF HOME AFFAIRS, NEW DELHI, GOVT. OF INDIA, on 15 JUNE 2021
92. Participated in ONLINE TRAINING Programme - " FUTURISTIC RESEARCH IN DISASTER RESILIENCE " organized by NATIONAL INSTITUTE OF DISASTER

MANAGEMENT, MINISTRY OF HOME AFFAIRS, NEW DELHI, GOVT. OF INDIA, on 11 TO 13 JUNE 2021

93. Participated in ONLINE TRAINING Programme - " DISASTER MANAGEMENT DURING COVID 19 " organized by NATIONAL INSTITUTE OF DISASTER MANAGEMENT, MINISTRY OF HOME AFFAIRS, NEW DELHI, GOVT. OF INDIA, on 16 TO 18 JUNE 2021

94. Participated in the One day Faculty Development Programme - Webinar, " DISASTER MANAGEMENT " organized by DR. ASHOK GUJAR TECHNICAL INSTITUTE on 16 TO 21 JUNE 2021

95. Participated in the One day Faculty Development Programme - Webinar, "WHY HOULD WE CARE FOR ENVIRONMENT " organized by GURU NANAK COLLEGE, CHENNAI on 29 JUNE 2021.

96. Participated in the One day Faculty Development Programme - Webinar, "ULTRA CEMENT TECH TOUR " organized by ULTRA CEMENT on 19 JUNE 2021.

97. Participated in the One day Faculty Development Programme - Webinar, "TBM TUNNEL EXCAVATION IN METRO PROJECTS " organized by RAMCO INSTITUTE OF TECHNOLOGY, SIVAKASI on 07 JUNE 2021.

98. Participated in the One day Faculty Development Programme - Webinar, "PRACTICAL DIFFICULTIES OF CONCRETING IN THE FIELD organized by ICI, on 03 JULY 2021.

99. Participated in the One day Faculty Development Programme - Webinar, "CORROSION OF STEEL REINFORCEMENT IN CONCRETE STRUCTURE " organized by AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING, CHENNAI on 03 JULY 2021.

100. **Presented webinar** in the One day Faculty Development Programme - Webinar, " Recent Trent in Fiber Reinforced Concrete Structures " organized by IEEE GRSS Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 23 July 2021.

101. **Presented webinar** in the One day Faculty Development Programme - Webinar, " Economy in Sustainable Development for Clean Nature " organized by IEEE GRSS Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 02 July 2021.

102. **Presented webinar** in the One day Faculty Development Programme - Webinar, " Recent Trent in Fiber Reinforced Concrete Structures " organized by IEEE GRSS Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 23 June 2021.

103. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " Application of Software Tools in Civil Engineering " organized by IEI Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 28 July 2021.

104. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " Advance Satalite Image Processing – GIS " organized by ICI Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 30 July 2021.

105. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " Advance Construction Materials and Techniques " organized by ICI Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 04 August 2021.

106. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " Challenges and Opportunities in Urban sanitation " organized by ICI Civil



Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 06 August 2021.

107. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " Advance Construction Materials and Techniques " organized by ICI Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 04 August 2021.

108. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " Green Building Technologies " organized by ISTE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 07 August 2021.

109. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " Innovation Next " organized by IEEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 09 August 2021.

110. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " Entrepreneurship and Innovation " organized by ASCE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 11 August 2021.

111. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " Advance Surveying Tools in Civil Engineering " organized by IEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 12 August 2021.

112. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " Career Guidance for Engineers " organized by ACI Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 16 August 2021.

113. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " CIVIL ENGINEERING OPPERTUNITIES AND PRACTICES IN DUBAI " organized by IEEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 24 August 2021.

114. **Presented webinar** in the One day Faculty Development Programme - Webinar, " EFFECT OF CORROSION IN RCC STRUCTURE " organized by IEEE GRSS Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 28 AUGUST 2021.

115. **Presented webinar** in the One day Faculty Development Programme - Webinar, " ECONOMY IN SUSTAINABLE DEVELOPMNT FOR CLEAN NATURE " organized by ICI Civil Chapter, Department of Civil Engineering, K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY, TRICHY on 27 AUGUST 2021.

116. AICTE – ATAL – FDP - in the One WEEK Faculty Development Programme - Webinar, " Advances in Engineering Earthquake " organized by AICTE – ATAL , Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 26 – 30 July 2021.

117. AICTE – ATAL – FDP - in the One WEEK Faculty Development Programme - Webinar, " Recent Advances in management and processing of industrial and domestic waste " organized by AICTE – ATAL , Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 16 – 20 August 2021.

118. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " LIFE CYCLE ASSESSMENT APROACH FOR SUSTAINABLE PRACTICES IN ENGINEERING " organized by WASET Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 04 September 2021.

119. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " EMERGING TECHNOLOGIES IN CIVIL ENGINEERING " organized by

Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 07 September 2021.

120. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " DECIDE MY FUTURE " organized by IEEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 13 September 2021.

121. **Presented Webinar** - in the One day Faculty Development Programme - Webinar, " ENGINEERS SKILL SETS " organized by ISTE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 15 September 2021.

122. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " SEASON YOUR CIVIL SKILLS " organized by ISTE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 15 September 2021.

123. **Organised Webinar** - in the One day FIRST YEAR ORIENTATION Programme - Webinar, "REINVIGORATE " organized by Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 13 September 2021.

124. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " SAFETY PRACTICES AND REQUIREMENTS AT CONSTRUCTION SITE " organized by ISTE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 18 September 2021.

125. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " PREDICTION OF FUTURISTIC ENVIRONMENT " organized by ISTE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 29 September 2021.

126. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " MY JOURNEY TO SUCCESS " organized by ISTE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 25 September 2021.

127. **Presented Webinar** - in the One day Faculty Development Programme - Webinar, " INTELLECTUAL PROPERTY RIGHTS " organized by ISTE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 18 September 2021.

128. **Organised Webinar** - in the One day INAUGURAL FUNCTION Programme - Webinar, " INDIAN GREEN BUILDING " organized by IGBC Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 27 September 2021.

129. **Organised VIRTUAL TOUR** - in CSIR FOUNDATION DAY organized by Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 26 September 2021.

130. **Organised Webinar** - in the One day SKILLRACK Programme - Webinar, "SKILLRACK AWARENESS " organized by ISTE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 27 September 2021.

131. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, "SOIL REINFORCEMENT AND GEOSYNTHETICS USED IN CIVIL ENGINEERING" organized by IEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 29 September 2021.

132. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " EMERGING TREND IN CIVIL INDUSTRY " organized by IEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 06 October 2021.

133. **Presented Webinar** - in the One day Faculty Development Programme - Webinar, " GATE 2022 " organized by IEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 06 October 2021.

134. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " BIM TECHNOLOGY " organized by IEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 07 October 2021.

135. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " GEOTECHNICAL ENGINEERING " organized by IEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 09 October 2021.

136. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " GREEN PRODUCTS " organized by IGBC Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 21 October 2021.

137. **Presented Webinar** - in the One day Faculty Development Programme - Webinar, " RAIN WATER HARVESTING " organized by IEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 25 October 2021.

138. **Organised Webinar** - in the One day CIVILITHON 3.0 Programme - ONLINE, " NATIONAL TECHFEST 21K " organized by IEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 27 October 2021.

139. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " RETROFITTING " organized by IGBC Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 26 October 2021.

140. **Organised Webinar** - in the One day Faculty Development Programme - Webinar, " IMPORTANCE OF HIGHER EDUCATION " organized by IEE Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 01 November 2021.

141. **Organised Webinar** - in the THREE days Faculty Development Programme - Webinar, " GREEN BUILDING CONGRESS " organized by IGBC Civil Chapter, Department of Civil Engineering, Sri Sairam Engineering College, Chennai on 17 TO 20 November 2021.

#### 4. Major Events Organised:-

Sl.No.	Name of Event	Organised at	Level
1	Smart India Hackathan 2016 – 17	R.M.K. Engineering College, Chennai	Co – Convener
2	Mission 10X – 2013-14	The Rajaas Engineering College	Principal/Convener
3	IGBC inauguration	Sri Sairam Engineering College	Convener

#### 5. Courses Registered & Completed:-

Sl.No.	Name of Agency	Registration ID	Institution
1	IEEE 20-05-2021	97789277	Sri Sairam Engineering College
2	ATAL INNOVATION ATAL NITI Aayog 25-04-2021	3106749	Sri Sairam Engineering College
3	NITTTR 01-04-2021	20212115112	Sri Sairam Engineering College
4	Coursera 01-10-2019	--	R.M.K. Engineering College