




Bharath Institute of Higher Education and Research

Faculty Profile

Personal Details	
Dayakar P	
Associate Professor	
Department of Civil Engineering	
Bharath Institute of Higher Education and Research	
94452 11861	
dayakar.civil@bharathuniv.ac.in	

Area of Interest	Geotechnical Engineering, Construction Management
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Subjects Taught	
UG	PG
Soil Mechanics	Geosynthetic and Reinforced Soil Structures
Foundation Engineering	Computer Applications in Geotechnical Engineering Lab
Geotechnical Engineering	Ground Improvement Techniques
Professional Ethics	Construction Equipment & Management
Geotechnical Engineering Lab	Computer Applications in Construction Engineering and Planning

Academic Background				
Degree	Specialization	University	Class	Month & Year of Passing
B.E.	Civil Engineering	University of Madras	First Class	1989
M.B.A.	Finance	University of Madras	First Class	1995
M.S (By Research)	Civil Engineering (Soil Mechanics)	Anna University	First Class	2005
Ph. D	Soil Mechanics	Bharath University	-	Course work, Comprehensive Viva and Pre Synopsis meeting Completed

Work Experience as on Oct-2020							
Name of the Institution/Company		Position		From		To	
Bharath Institute of Higher Education and Research (Deemed University)		Associate Professor		2017		Till Date	
Bharath Institute of Higher Education and Research (Deemed University)		HOD		2015		July 2017	
Bharath University		Coordinator – Dept. of Civil Engineering		2013		2015	
Bharath University		Head of the Department		2011		2013	
Bharath Institute of Higher Education and Research (Deemed University)		Assistant Professor		2006		2011	
Bharath Institute of Science & Technology		Senior Lecturer		1998		2006	
Bharath Institute of Science & Technology		Lecturer		1992		1998	
PSG TAM Flats		Project Engineer		1989		1992	
Total experience	31 Years	Teaching	28 years	Research	10	Administration	3 years

Research Publications				
International Journal	National Journal	International Conference	National Conference	Total Number of Publications
8	-	8	4	20

Recent Publications(Journals)- Chronological order	
Sl.No	Details
1	Dayakar, P. Dr.K.V.B. Raju, Dr. S. Sankaran, (2015),” Comparative Study on Permeation Grouting with Biopolymer and Chebulic Myrobalan Grout in Sandy Soil”, International Journal of Innovative Research in Science, Engineering and Technology, ISSN 2319-8753, Volume 4, Issue 8, August 2015, pp 7723 -7740.
2	Venkat Raman K, Dayakar, P. Dr.K.V.B. Raju, (2015), “ Study on Permeation Grouting with Cement and Chebulic Myrobalan Grout in Sandy Soil”, International Journal of Innovative Research in Science, Engineering and Technology, ISSN 2319-8753, Volume 4, Issue 6, June 2015, pp 4448 - 4456.
3	Dayakar, P. Dr.K.V.B. Raju, Dr. S. Sankaran, (2014), “ Improvement of Coarse Grained Soil by Permeation Grouting Using Cement Based HPMC Grout”, International Journal of Emerging Technology and Advanced Engineering, ISSN

	2250-2459, ISO 9001:2008 Certified Journal, Volume 4, Special Issue 4, June 2014, pp.17 -22.
4	Dayakar, P. Venkat Raman K, Raju, K.V.B, "Study on Permeation Grouting using Cement Grout in Sandy Soil", IOSR Journal of Mechanical and Civil Engineering, ISSN : 2778-1684, Vol. 04, Issue 4, Nov-Dec 2012, pp 05-10
5	Dayakar P, S.Martinluther, A.Arunya,(2012), "Study on Effect of Cement Based HPMC Grout on Bearing Capacity of Coarse Grained Soil", International Journal of Computer & Organization Trends, ISSN 2249 – 2593, Volume 2, Issue 5, No.2, Oct 2012, pp 15 – 22.
6	Dayakar P, S.Martinluther, A.Arunya,(2012), "Study on Effect of Permeation Grouting in Coarse Grained Soil with Cement Based HPMC Grout", International Journal of Computer & Organization Trends, ISSN 2249 – 2593, Volume 2, Issue 5, No.1, Sep 2012, pp 20 – 28.
7	Dayakar P, R.Dhilip Kumar, K.Ram Swarup, P.Ramakrishnan, J.Shelolin,(2012), "Study on Permeation Grouting In Coarse Grained Soil with Cement Chemical Grout (Sodium Silicates)", International Journal of Computer & Organization Trends, ISSN 2249 – 2593, Volume 2, Issue 4, No.2, Aug 2012, pp 20 – 27.
8	Sachithanatham., P. Dayakar P, Dr. Raju K.V.B., "Experimental Study on the Effect of Diagonally Loaded Masonry Infilled RCC Frames with Steel Fibres Subjected to Ultimate Loads", International Journal of Earth Sciences and Engineering, ISSN 0974-5904, Volume 04, No 06 SPL, October 2011, pp. 851-854.
Recent Publications(Conferences) -Chronological order	
Sl.No	Details
1	Dr. K.Vijaya Bhaskar Raju, Dayakar,P, Sachithanatham.P, (2001), "An experimental study as replacement of conventional coarse aggregate by GFRP works", International Conference on Civil Engineering, IISc Bangalore, Vol. 1
2	Stalin,V.K. Dayakar, P. Muthukumar, M.(2003), " Influence of acid permeation in the chemical characteristics of soils and solid waste", International conference on Problematic soils,Nottingham,UK,Vol.2, 503-506.
3	Dayakar, P. Stalin,V.K. Raju, K.V.B. Pachayappan, K(2003), " Utilization of silica fume and tannery sludge in problematic soils", International Conference on Geo-environmental Engineering, Singapore, Vol.I, 79-84.
4	Stalin.V.K, Saravana Kumar.R, Dayakar.P, Ravi.E (2004), " Utilization of fly ash in expansive soils for manufacturing bricks", 5 th International Conference on Ground Improvement Techniques, K.Lumpur, Malaysia, Vol-1 289 – 292.
5	Sachithanatham., P. Dayakar P, Dr. K.V.B, Raju, "Experimental Study on the Effect of Diagonally Loaded Masonry Infilled RCC Frames Subjected to Ultimate Loads" International Conference on Structural and Civil Engineering SCE 2011 , 25 th – 26 th August 2011, The Association of Civil and Environmental Engineers (ACEE), Trivandrum, Kerala, India.
6	Sachithanatham., P. Dayakar P, Dr. K.V.B, Raju," Experimental Study on the Effect of Diagonally Loaded Masonry Infilled RCC Frames with Steel Fibres Subjected to Ultimate Loads" International Conference Advances in Civil Engineering (ACE-2011) , 21 st – 23 rd October, 2011, Department of Civil Engineering, K L University, Guntur, A.P., India

7	Sachithanantham., P. Dayakar P , Dr. K.V.B, Raju, 'Study on Structural Strengthening of Concrete Beams with GFRP Subjected to Pure Torsion', International Conference on Comprehensive Disaster Management ICCDM-2012, during 27 th - 28 th of January 2012, at Noorul Islam University , Kumaracoil, Kanyakumari district, Tamilnadu organised by Noorul Islam centre for Higher Education.
8	P. Dayakar , K.V.B. Raju, S. Sankaran, 'Improvement of Coarse Grained Soil by Permeation Grouting using Cement Based HPMC Grout', International Conference on Advances in Civil Engineering and Chemistry of Innovative Materials, ACECIM'14, 13-14 March 2014, organized by SRM University, Ramapuram Campus, Chennai.
9	Sachithanantham., P. Dayakar P , Dr. K.V.B, Raju, "An Experimental Study on Partial Replacement of Cement by Ferrous Foundry Slag in Concrete", National Conference on Advances in Materials and Structures AMAS 2011 , 3 rd & 4 th February 2011, Department of Civil Engineering Pondicherry Engineering College, Puducherry , India.
10	Sachithanantham., P. Dayakar P , Dr. K.V.B, Raju, "An Experimental Study on Effect of Size of Coarse Aggregate on the Properties of Cement Concrete", National Conference on Modern Trends in Civil Engineering NCMTC '11 , 1 st April 2011, Department of Civil Engineering, Dr. Sivanthi Aditanar College of Engineering, Tiruchendu, Tamil Nadu.
11	P. Dayakar , P. Sathish Kumar, K. Venkat Raman, "Study On Improvement Of CBR Strength Of Clay Using Polypropylene Fibre" , in National Conference On Emerging Trends & Transformation in engineering and technology (NC2(ET)) -March 2017 by Sri Lakshmi Ammal Engineering College, Tambaram, Chennai – 600 073. Tamil Nadu.
12	K. Venkat Raman, P. Dayakar , M. Arunagiri Effect Of Stabilization On Expansive Soil with Different Sand Layers, in National conference of future infrastructure development in civil engineering (NCFID) – March 2017, Department of Civil Engineering, RRASE College Of Engineering, Padappai, Tambaram

PATENTS

Sl.No	Details
1	Premould and Mould for Precast Concrete Funicular Shells with Edge Beam (CBR No. 14911)

Memberships in Professional Bodies

Sl.No	Name of the Professional Body
1	Life Member -India Society for Technical Education
2	Life Member -Indian Geotechnical Society, Chennai Chapter

Training Programmes Attended

Sl.No	Details in Chronological order
1	Attended Technical training program on 'primavera P6 Management' organized by Department of Civil Engineering, BIHER in 2019
2	Participated in one week AICTE sponsored online Short Term Training Programme

	on "STRUCTURAL LIFE ASSESSMENT AND FAILURE DIAGNOSIS" Phase II organized by Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi. during 14 – 19 September, 2020.
3	Participated in the AICTE Sponsored One Week Online Short Term Training Program (STTP), PHASE- III on "Soft Computing Techniques in Civil Engineering: Structures, Water Resources, Geotechnical, Remote Sensing and Transportation Applications" organized from 07-09-2020 to 12-09-2020, Shri Vishnu Engineering College for Women, Bhimavaram, Andhra Pradesh State.
4	Participated in the AICTE sponsored online Short Term Training Programme (STTP) on "Disaster Mitigation - A shift from Disaster Management towards Disaster Preparedness" organized by Department of Civil Engineering, School of Infrastructure, B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai during 07.09.2020 to 12.09.2020.
5	Participated in the AICTE Sponsored One Week Online Short Term Training Program (STTP) on "Special Topics in Geotechnical Engineering" organized from 24-08-2020 to 29-08-2020, Dr. Mahalingam College of Engineering and Technology Pollachi, Tamilnadu State.
6	Participated in an AICTE sponsored online STTP program (Phase - I) as "Forum on Nurturing Clean-Water and Green-Waste" organized by Department of Civil Engineering, K. S. R. College of Engineering - Tiruchengode during August 24 - 29, 2020.
7	Successfully completed the AICTE Sponsored STTP on Structural Health Monitoring and Seismic Protection of Structures and Infrastructural Systems - Phase II" during 3-8 August 2020 conducted by the Department of Civil Engineering, Bannari Amman Institute of Technology, Sathyamangalam-638401 , Erode District, Tamil Nadu, India

Roles and Responsibilities	
Sl.No	Details
1	Civil Department Coordinator
2	BIHER ERP Cell – Chief Coordinator
3	Conferences and Webinar Coordinator
4	Member – Board of Studies
5	Member – Academic Council – BIHER
6	Enquiry Committee – Member/ Convener
7	Malpractice Enquiry Committee – Member
8	Internship Abroad Program – Selection Committee member

Awards Received	
Sl.No	Details
1	Chaired as Judge for the Enrichment, Empowerment and Enhancement programme organized by Department of Civil Engineering, Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai. July 2010.
2	Received Best Paper Award for the paper titled, 'Experimental Study on Eco Recycling of Ferrous Foundry Slag in Concrete' National Conference on Green

	Engineering and Technologies, during 23 rd -24 th of September 2011, at V.S.B. Engineering College, Karur, organised by Department of Civil Engineering and sponsored by CSIR, DRDO and TNSCST.
3	Chaired as Judge for the Technical Paper Presentation Competition 'Chalyvas 15', National Level Technical Symposium, organized by Department of Civil Engineering, Thangavelu Engineering College, Karapakkam, Chennai, on 23 rd September 2015.