



Bharath Institute of Higher Education and Research

Faculty Profile

Personal Details		
< Name>	R.Chitra	
<Designation>	Assistant Professor	
<Department>	Civil	
< Name of Institution>	Bharath Institute of Higher Education and Research	
<mobile>	9841677556	
< email>	chitraroopauma@gmail.com	

Area of Interest	
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Subjects Taught	
UG	PG
Structural Analysis I & II	FEM in Structural Engineering
Reinforced concrete Design I & II	Concrete Structures
Computer Aided Design of Structures	Numerical Analysis Laboratory
Design of Steel Subjects	Experimental Techniques and Instrumentation
Computer Aided Civil Engg Drawing	Advanced Concrete Laboratory
Prestress concrete structures	Advanced Concrete Technology

Academic Background				
Degree	Specialization	University	Class	Month & Year of Passing
B.Tech	Civil Engineering	Bharath Inst of science & technology	70%	2003
M.Tech	Structural Engineering	Bharath University	70%	2005

Work Experience as on Oct-2020			
Name of the Institution/Company	Position	From	To
Seenaiah & company (projects) ltd.,chennai	Billing & Planning Engineer	June 2005	Feb 2007
IVRCL Infrastructures &	Planning Engineer	March2007	Dec 2009

Projects ltd,chennai			
Sree Sastha Inst of Engg and Tech, Chennai	Assistant Professor	Jan 2010	April2012
Misrimal Navajee Munoth Jain Engineering College	Assistant Professor	June 2012	March2014
Bharath Institute of Higher Education and Research	Assistant Professor	June 2015	Till now
Total experience	<Years> 10.5	Teaching <years> 6	Research <years> 4.5

Research Publications				
International Journal	National Journal	International Conference	National Conference	Total Number of Publications
20	2	-	3	25

Recent Publications(Journals)- Chronological order	
Sl.No	Details
1	A. Arunya *R. Chitra, S. Thendral EXPERIMENTAL STUDY ON STRENGTH OF CONCRETE BY PARTIAL REPLACEMENT OF FINE AGGREGATE WITH SAW DUS-Tnternational Journal of Civil Engineering and Technology (IJCIET)- 2019/2019, pp. 535-538. Article ID: IJCIET_10
2	R.chitra , Hemapriya EXPERIMENTAL STUDY ON STRENGTH OF CONCRETE BY PARTIAL REPLACEMENT OF FINE AGGREGATE WITH SAW DUST-International Journal of Pure and Applied Mathematics Volume 119 No. 12 2018, 9473-9479
3	S.J.Mohan R.Chitra, S.Thendral Estimation of Strength by Partially Replacing Fine Aggregate with Saw Dust-2019 nternational Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8
4	Chitra.R *Arunya. A, Thendral.S EXPERIMENTAL STUDY ON STRENGTH PROPERTIES OF SELF COMPACTING CONCRETE 2019-IAEME Publication
5	Rinu Isa R. Chitra, Shruthi, M V Behaviour of Structural Shear Wall with Recycled Aggregate Concrete using Sap2000 2019 nternational Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-12S
6	S. Thendral ³ Dr. S. J. Mohan ¹ , R. Chitra ² FIRE RESISTANCE OF STEEL FRAMED STRUCTURES(2018) International Journal of Pure and Applied Mathematics ISSN: 2278-3075, Volume-119, Issue-12
7	S. Thendral ³ Dr. S. J. Mohan ¹ , R. Chitra ² (2018) GEOTEXTILE CONCRETE SUITABILITY STUDY AS STRUCTURAL COMPONENT International Journal of Pure and Applied Mathematics Volume 119 No. 12 2018, 9051-9061
8	Ruchi Kumari ² R.chitra ¹ ANALYSIS OF FACTORS AFFECTING ON LABOUR PRODUCTIVITY IN CONSTRUCTION INDUSTRY BY USING RII METHOD(2018) International Journal of Pure and Applied Mathematics Volume

	119 No. 12 2018, 9399-9411
9	S. Mohan, S.J., Chitra, R., Thendral Geotextile concrete suitability study as structural component(2018) Volume 119 No. 12 2018, 9103-9113
10	S. Mohan, S.J., Chitra, R., Thendral LIMIT STATE METHOD OF DESIGN FOR STEEL STRUCTURES International Journal of Pure and Applied Mathematics Volume 119 No. 12 2018, 9169-9181
11	Dr. S. J. Mohan ¹ , A. Arunya ² , R. Chitra ³ CORROSION PROTECTION FOR BRIDGE DECK STRUCTURES(2018) International Journal of Pure and Applied Mathematics Volume 119 No. 12 2018, 9079-9091
12	A. Mohan, S.J., Chitra, R., Arunya MODERN METHODOLOGIES IN STRUCTURAL ENGINEERING(2018) Volume 119 No. 12 2018, 9145-9158
13	R Kanchanabhan, T.E., Chitra Effect of saw dust as partial replacement on properties of hardened concrete Volume 119 No. 12 2018 8725-8736
14	T.A. Chitra, R., Harini Experimental investigation on addition of silica fume to concrete(2018) 9445-9453
15	R Chitra Analysis of traffic and management at Kovilambakkam intersection(2017) nternational Journal of Pure and Applied Mathematics 593-598
16	Replacement of Cement and Fine Aggregate by Ceramic Powder and Copper Slag in Concrete, IJST, <u>Volume 8, Issue 32, November 2015</u>

Recent Publications(Conferences) -Chronological order

Sl.No	Details
1	Mrs R.Chitra ¹ Experimental Behavior of Masonry Arches with and Without Fiber Reinforced Polymer NC2(ET) – 2017.
2	Ms.R.Chitra EXPERIMENTAL BEHAVIOR OF MASONRY ARCHES WITH AND WITHOUT FIBER REINFORCED POLYMER- (NCETCE) – 2019 (Civil Department –BIHER)
3	Ms.R.Chitra DUCTILITY BEHAVIOUR OF REINFORCED CONCRETE BEAM-COLUMN JOINT-(NCETCE) – 2019 (Civil Department –BIHER)

Memberships in Professional Bodies

Sl.No	Name of the Professional Body
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Training Programmes Attended

Sl.No	Details in Chronological order
1	
2	Osdag Training workshop @Vels Institute of Science ,Technology and Advanced studies in 2018
3	Pedagogy Training -Bharath Institute of Higher Education and Research in 2019
4	FDP Program on Structural Dynamics and Earthquake Engineering @ Bharath Institute of Higher Education and Research in 2019
5	Faculty Development Training Programme on “Primavera P6 Professional Project management” (Jan 2018) - BIHER

6	Faculty Development Training Programme on “Structural Dynamics & Earthquake Engineerin” (Dec 2019) – BIHER
7	Online Distance Learning Certificate on “ARS and GIS in Urban and Regional Planning” – IIRS Dec 2019
8	NPTEL online Course on “Structural Dynamics and Earthquake Engineering ” - 2019
9	Faculty Development Training Programme on “Design of Steel Structures” (Jan 2016) – BIHER
10	NPTEL online Course on “Structural Analysis ” - 2020

Roles and Responsibilities	
Sl.No	Details
1	In-charge of CADD Laboratory
2	Class Co-ordinator
3	Coordinator for FDP and Webinars
4	Member of Board of Studies
5	Coordinator for National and International conferences.

Awards Received	
Sl.No	Details
1	