

Personal Details for NBA

Dr.Suresh.G.Patil Prof Civil Engineering Department

Name of the Faculty	Qualification			Designation (All the designations since joining the Institution)	Distribution of Teaching load (%) (Mention odd and even sem separately)			Specialisation	Date of joining the institute	Date of Birth
	Degree (Starting from highest degree)	University	Year of Graduation		1st Year	UG	PG			
						In Civil Engg	In other dept			
Dr.Suresh.G.Patil	Ph.D	IIT Delhi	2007	Lecturer 14-06-1986 to 13-06-1992				Concrete	14-06-1986	1-07-1961
	M.Tech	IIT Delhi	1991	Senior Lecturer 14-06-1992 to 13-06-1996				Bldg Sc & Constn Mgm		
	B.E. Civil Engg	Gulbarga University Gulbarga	1985	Selection Grade Lecturer 14-06-1996 to 11-02-2007						
				Professor 12-02-2007 till today						

II. Details of short term course/workshop attended, since from joining

Title of the Course	Period		Name of the organisation attended
	From	To	
“Recent Trends in Design and Management of Urban bus transit system” (SITE)	28 <sup>th</sup> Dec 92	9 <sup>th</sup> Jan 93	Birla Vishvakarma Mahavidyalaya Engineering College Vallabh Vidyanagar
“Design and Fabrication of printed circuit boards” (SITE)	27 <sup>th</sup> Jan 30	7 <sup>th</sup> Feb 93	P D A Engineering College Kalaburagi
“Pipe line Design & pumping machinery for liquids & solid liquid Mixtures” (X ISTE)	12 <sup>th</sup> July	23 <sup>rd</sup> July 1993	Maulana Azad College of Technology

“Pump & Value selection for Optimum performance” (ISTE)	27 <sup>th</sup> Dec 93	8 <sup>th</sup> Jan 94	M.N.R. Engineering College Allahabad
“Environmental Pollution studies & Mitigation Measures” (ISTE)	5 <sup>th</sup> June	17 <sup>th</sup> June 95	P D A Engineering College Kalaburagi
“Computer Application in Civil Engineering” (AICTE)	10 <sup>th</sup> June	22 <sup>nd</sup> June 1997	P D A Engineering College Kalaburagi
“Cost Management through Waste Management” (ISTE)	29 <sup>th</sup> Nov	13 <sup>th</sup> Dec 99	Shanmugha College of Engineering Thirumalai Samudram Thanjaur
“Environmental Evaluation of developmental projects” (AICTE-ISTE)	27 <sup>th</sup> Dec 99	8 <sup>th</sup> Jan 2000	Regional Engineering College Warangal
“Urban Storm Water Management (ISTE)”	7 <sup>th</sup> Feb	19 <sup>th</sup> Feb 2000	Regional Engineering College Warangal
“Disaster Mitigation update for Civil Engineers (ISTE)”	16 <sup>th</sup> Oct	29 <sup>th</sup> Oct 2000	T K M College of Engineering Kollam
“Engineering Needs of Rural Industrialisation and the Role of Technical Institution” (IITD)	6 <sup>th</sup> June	11 <sup>th</sup> June 2005	I.I.T Delhi
Bosch Power Tool Training Centre Mico Bangalore	6 <sup>th</sup>	7 <sup>th</sup> Oct 2005	Bosch Tutition kits for Engineering Colleges
Current Practices in Ready Mixed Concrete	20 <sup>th</sup>	21 <sup>st</sup> April 2007	Indian Concrete Institute Karnataka Bangalore Centre
Structural Engineers World Congress 2007	2 <sup>nd</sup>	7 <sup>th</sup> Nove 2007	SEWC 2007 Bangalore
Integrated Survey using Total station and GPS	15 <sup>th</sup>	17 <sup>th</sup> April 2008	Jawaharlal Nehru Technological University Kukatpally, Hyderabad
Water Resources Development and Management	28 <sup>th</sup> July	8 <sup>th</sup> August 2008	NIT Surathkal
Newness and Change	8 <sup>th</sup>	9 <sup>th</sup> August 2009	P D A Engineering College Kalaburagi
Accreditation Process	27 <sup>th</sup>	28 <sup>th</sup> April 2013	BLDE Engineering

as per January 2013 format of NBA			College Bijapur
Research Methodology in Science Engineering and Management	26 <sup>th</sup>	28 <sup>th</sup> September 2013	National Institute of Technology Calicut and Institute for Sustainable Development and Research, Mumbai
Training and Identification of Master Trainers on outcome Based Accreditation process and parameters	13 <sup>th</sup> September	4 <sup>th</sup> 6 <sup>th</sup> oct 2013	Walchand Institute of Technology Sholapur

### III. Details of short term course/workshops/conference (National or International) conducted

Title of the Course	Period		Name of the Sponsor
	From	To	
Thermal Comfort in Hot dry Climate for Residential Buildings	21 <sup>st</sup> July	26 <sup>th</sup> July 2014	TEQUIP-II
Webinar on Remote Sensing and GIS Application	4-10-2013	7-10-2016	TEQUIP-II
Hands on Training of Total Station Surveying and Data Processing	24 <sup>th</sup> Oct	28 <sup>th</sup> Oct 2016	TEQUIP-II

### IV. Details of research publications in National/International conference since from joining

Title of the Paper	Name of Conference	Date	Type of conference (National or International)
“Compressive Strength and Porosity of Very High Strength Mortar Mix”	Proceedings of the First Makasara International Conference on Civil Engineering	9.10.2010	International Conference
“Factors Influencing Compressive Strength of Geopolymer Concrete”	“International Conference on Recent Innovations in Civil Engineering”	25 <sup>th</sup> and 27 <sup>th</sup> ,2013	International Conference
“Compressive Strength of Geopolymer Mortar	International Conference on Recent Trends in	2014	International Conference

Bricks”.	Engineering and Technology		
“Flexural Behaviour of Reinforced Geopolymer Concrete”	“International Seminar on Frontiers of Ceramic and Material Technologies for Cement Industries”	17 <sup>th</sup> and 18 <sup>th</sup> -11-2014	International Seminar
“Very High Strength Mortar Mix”.	National Conference on High Rise Buildings: Materials and Practices New Delhi.	October 2016	National Conference
“Comparative Study of Concrete Mix Design by IS Method and Packing Density Method”.	National Seminar on Recent Advances in Design and Construction.	20.11.2016	National Seminar

#### V. Details of research publications refereed National Journals since from joining

Title of Paper	Name of Journal	Volume No	Issue No	Page No	Year of Publication	Impact factor / citation factor
			NIL			

#### VI. Details of research publications in refereed International Journals

Title of Paper	Name of Journal	Volume No	Issue No	Page No	Year of Publication	Impact factor / Citation factor
“Size and Volume Relationship of Pore for Construction Materials”	ACSE Journal of Materials in Civil Engineering	20	06	410-418	1.06.2008	
“Factors Influencing Compressive Strength of Geopolymer Concrete”	International Journal of Research in Engineering and Technology				25-27, 2013	
“Geopolymer Concrete”	Review		02	937-	Feb,2	

	Paper International Journal of Research in Engineering and Technology			939	014	
“Design of Concrete mix by Packing Density Method”	International Organisation for Scientific Research.	11	2		Mar- Apr 2014.	
“Flexural Behaviour of Reinforced Geopolymer Concrete”	International Journal of Research in Engineering and Technology	3	2		2014	
“Structural Performance of Concrete by Partial Replacement of Cement with Hypo Sludge (Paper Waste)”.	International Journal of Research in Engineering and Technology	1	7		2014	
“Study on Compressive Strength of Concrete by Using Treated Domestic Waste Water as Mixing and Curing of Concrete”	International Journal of Research in Engineering and Technology	3	12		2014	
“Experimental Work on Columns Confined with CFRP Sheets”	International Journal for Scientific Research and Development	2	11		2015	
“Experimental Work on Alkali Activated Concrete”	International Journal for Scientific Research and Development	3	4		2015	
“Experimental Work on Alumino Silicate Mortar and Paste”	International Journal for Scientific Research and Development	3	4		2015	
“Experimental Investigation on Geopolymer Concrete”	International Journal for Scientific Research and Development	3	4		2015	
“Geopolymer Concrete for	International	2	3		2015	

Railway Sleepers”	Journal for Scientific Research and Technology					
“Development of Sustainable Concrete by using Mineral Admixture and Recycled Coarse Aggregate”		3	4		2015	
“Utilisation of Foundry Waste Sand in the Preparation of Concrete”	International Organization for Scientific Research	12	6	30-36	Dec 2015	
“Utilisation of Foundry Waste Sand in the Preparation of Masonry Mortar”	International Organization for Scientific Research	12	6	49-54	Nov, Dec 2015	

VII. No. of funded R & D project completed/ongoing since joining

Name of principal investigator	Name of co-principal investigator	Title of R & D Project	Name of funded organisation	Amount of fund	Period (Duration)	Status completed/ongoing
		Geopolymer Bricks	Funded by KSCST	5000	4	Completed
Dr.Suresh. G. Patil		Cost Optimization of Geopolymer Bricks	Funded by KSCST	8000	4	Completed
Dr.Suresh. G. Patil		Study on Properties of Geopolymer concrete (using Granite chips as coarse aggregate and Granite dust as fine aggregate)	Funded by KSCST	6000	4	Completed
Dr.Suresh. G. Patil		Strength and Durability Study of Geopolymer concrete.	Sanctioned by VGST	20 lakh		
Dr.Suresh. G. Patil		Utilisation of Foundry Waste Sand (100%) in the Concrete.	Sponsored by ALSTOM	35000		Completed
Dr.Suresh. G. Patil		Utilisation of Foundry Waste Sand as a Mortar	Sponsored by ALSTOM	35000		Completed

		in the Masonry.				
Dr.Suresh. G. Patil		Strength and Durability of Concrete using Foundry Waste Sand	Funded by KSCST	7000		Completed
Dr.Suresh. G. Patil		Proposal Submitted to TEQUIP for Digitalisation of Loading Frame		20,00000		On Going

VIII. No. of Guest lecture given since from joining

Name of the Faculty	Topic Name	Name of the event/ organisation in which guest lecture delivered	Date & No. of hours
Dr.Suresh G Patil	Design of Very High Strength Materials	One day Seminar on Recent Developments in Structural Engineering	10-11-2006
Dr.Suresh G Patil	“Quality Control in Concreting” For Engineers, Practicing Engineers and Contractors at Bidar	Ultratech Cement Limited Kalaburagi	20.03.2012 2 hours
Dr.Suresh G Patil	“Recent Advances in Concrete” For Engineers, Practicing Engineers and Contractors at Raichur	Ultratech Cement Limited Kalaburagi	20.05.2012 2 hours
Dr.Suresh G Patil	Induction Level Training Programme for Newly Recruited Juniors Engineers	Maharastra State Electricity Transmission Aurangabad	17.01.2013 2 hours
Dr.Suresh G Patil	Good Concreting Practices for Quality Construction	Ultratech Cement Limited Sun International Hotel Kalaburagi	13.02.2013 2 hours
Dr.Suresh G Patil	Training in Construction for Engineers for KRIDL Kalaburagi	Auditorium Hall P.D.A.College of Engineering Kalaburagi	Aug 2014 2 hours
Dr.Suresh G Patil	Training for Newly Appointed Junior Engineers for Quality Construction Practices	Kamalapur	Feb 2015 2 hours

IX. Mention the role in curriculum development of Civil Engineering Programme.

Developed curriculum for subjects-Engineering Economics and Management (VIII Sem), Concrete Technology (IV Sem), Concrete Technology Lab (IV Sem), Conducted workshop on syllabus revision committee under VTU.

Worked as BOS and BOE member.

X. Innovations by the faculty in teaching and learning

(Other than power point presentation and black board teaching)

Exhibiting the actual materials during the lecture and Film show related to alternate materials and construction.

XI. Mention the role in development of laboratories/instructional materials (working models/charts/monograms)/ product development.

- 1) Developed the Advanced Structural Engineering Laboratory
- 2) Fabricated a Equipment for Measurement of Bond Strength of Mortar and Masonry Unit in the Advanced Structural Engineering Laboratory.
- 3) Developed Laboratory Manual for Concrete Laboratory.

XII. No. of PhD Students guided

Name of the Faculty	No. of PhD awarded	No. of PhD scholars guided
Dr.Suresh G Patil	-----	08 (on going)

XIII. Mention the details of any consultancy works taken from industries.

Involved in PMGSY scrutiny of Project reports related to road construction, Involved departmental regular consultancy work such as construction material testing, mix design of concrete,conducting NDT tests for structures and issuing stability certificate etc.

XIV. Provide details of membership of Professional bodies

SI No	Name of Professional Body	Type of Membership	Membership No
1	Institution of Engineers	Life Member	LM 12104968
2	Indian Society for Technical Education	Life Member	LM 4836
3	Indian Society for Construction Materials and Structures	Life Member	LM 522