

Swamy Sarvanand Institute of Engineering and Technology Gurdaspur. Ph.:-+91-98884-68687

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Name: Harpal Singh

Father's Name Ajaib Singh

Date Of Birth: 25.12.1962

Academic Qualifications:

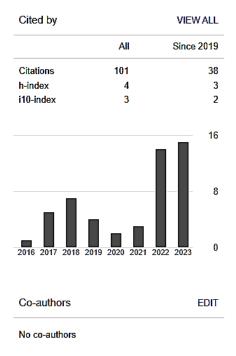
S. No.	Degree / Exam Passed	Name Of Board / University	College	Year Of Passing	Obt. Marks / Total Marks	Percentage	Subjects
1	Matric	IPSER (HI)	VK, Hr. Sec School, LDH	1978	890/1200	74.17	All
2	Hr. Sec.	IDCER CHD	VK Hr. Sec. School, LDH	1979	615/800	ľ/6 88	Non- Medical
3	Pe. Engg.		Govt. College for Men, LDH	1980	503/650	177 38	Non- Medical
4	B.E.	PU ,CHD	GNDEC, LDH	1984	6108/8000	1/6/35	Civil Engg.
5	M.E.	TIET, PTA	TIET, PTA	1986	1127/1600	70.44	Structures
6	Ph.D.	TIET, PTA	TIET, PTA	1996	-	-	Structures

Ph.D. Topic:- Response of R.C. Frames with Infilled Panels Under Earthquake Excitation. Guides:-Dr. D.K.Paul, Prof. V.V.Sastry, Dr. M.L.Gambhir

M.E. Topic:- Behavior of Skew Box Girder Bridges

Guide:- Prof. V.V. Sastry

Google Scholar

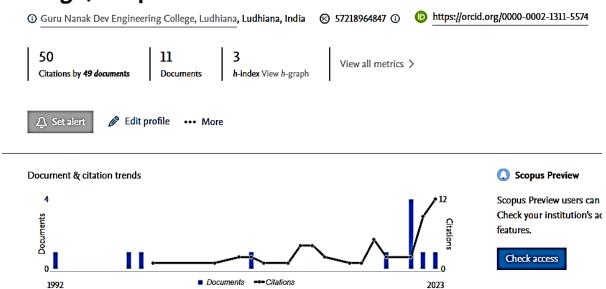


Scoupus

https://orcid.org/0000-0002-1311-5574 Scopus Author ID: 57218964847

Scopus Author ID: 57218797851

Singh, Harpal



Experience:

S. No.	Name Of the Employer	Position	Grade	Nature Of Work		Date Of Leaving		Reason For Leaving
1	SSIET, Gurdaspur	Principal	UGC	Administration	22.06.2024	Till date	06m	na
2	GNDEC, LDH	Professor	UGC	Teaching, Research, Consultancy	17.11.1998	31.122022	25 yr	Retired
3	GNDEC LDH	Principal	UGC	Administration	01.10.2017	13.11.2017	1.5m	na
4	GZSCET, BTI	Principal	UGC	Teaching, Research, Consultancy	11.05.2005	31.03.2010	5 yr	Completion of tenure
5	GNDEC, LDH	Professor & Head	UGC	Teaching, Research, Consultancy	31.07.2003	10.05.2005	2 yr	higher post
6	GNDEC, LDH	Professor & Dean Academics	UGC	Teaching, Research, Consultancy	05.12.2001	10.01.2003	2 yr	rotation
7	TIET, PTA	Asstt. Professor	UGC	Teaching, Research, Consultancy	09.08. 1994	16.11.1998	4.5 yr	Promotion
8	CET, BTI	Asstt. Prof.	UGC	Teaching, Research, Consultancy	01.01.1993	08.08.1994	1 yr 8m	na
9	TIET, PTA	Lecturer	UGC	Teaching, Research, Consultancy	03.01.1986	31.12.1992	7yr	promotion
10	M/s Ahuja Builders, X- 3,Hauz Khas, N. Delhi		Rs. 1003/-	Construction	20.07.1984	27.01.1985	6m	higher study

Research Papers Published in

R- basic reference score as per table I-score for indexed journal IF- Impact factor A-Author's share

Referred Journals

Publications in International Journals

	ubilcations in thici national Journals										
S. No.	Title	Co- Authors, if any	Name Of Journal	Volume & Year		Impact Factor	ISSN/ISSN No.	API Score (R+I+IF)A			
	Nonlinear analysis of Frames	Singh GM	Computer & Structures	44 (6), 1992	1377- 1379	5.372	0045-7949	(15+5+15)0 .6 =21			
2	Inelastic Dynamic Response of Reinforced Concrete Infilled Frames	Paul DK, Sastry VV	Computer & Structures	69, 1998	685- 693	5.372	0045-7949	(15+5+15)0 .6 =21			
3	Relative Study of Solvers for Finite Element Analysis	-	International Journal of Computers & Technology	4(2), 2013	Onlin e	1.532	2277-3061	(15+5+10)1 .0 =30			
4	Elasto-Plastic Analysis of 3D Frames with Generalized Yield Function		International Journal of Computers & Technology	14(1), 2014	Onlin e	1.532	2277-3061	(15+5+10)1 .0 =30			
5		Varinder	Science	3(01) July 2016	446- 449	3.905	2349-784X	(15+5+15)0 .6 =21			
6	Effect of Super Plasticizer on the Mechanical and Durable Properties of High Volume Cementitious Concrete	Er. Prem Gandhi	IJSTE - International Journal of Science Technology & Engineering	3(01) July 2016	450- 453	3.905	2349-784X	(15+5+15)0 .6 =21			

7.	Analytic Study on Electro-mechanical Properties of Reusable Industrial Waste Material (RIWM) in Self Compacting Concrete (SCC)	Salman	Journal of Civil Engineering and Environmen tal Technology	January-	106- 111	4.5208	2349	15+5+15)0. 6 =21
8	Parametric Study of Multi-storey R/C Building with Plan Irregularity	Akash Aneja	International Journal of Science and Research (IJSR)	Volume 8(6), June 2019	online	7.426	2319-7064	(15+5+15)0 .6 =21
9	Performance of Different Shear Wall Positions in Building using Pushover Analysis	Asna Yani	Journal of Civil Engineering and Environmen tal Technology	6(3), April- June, 2019	123- 127	4.5208	2349	(15+5+15)0 .6 =21
10	Study of RC Wrapped Beam with Polymers and Metal Matrix Composites	Amandeep Kaur		Volume: 07 Issue: 05 May 2020		7.529	ISSN: 2395-0056	(15+5+15)0 .6 =21
	Assessment on Polymer and Metal Matrix Composites in Structural Applications	Amandeep	Research	*	2132- 2135	7.97	ISSN: 2320-2882	(15+5+15)0 .6 =21
12	A Review on Metal and Polymer Matrix Composites	Amandeep Kaur	IJSRD - International Journal for Scientific Research & Developmen t	Vol. 8, Issue 4, 2020	394- 397	4.396	ISSN (online): 2321-0613	(15+5+15)0 .6 =21
13	Minimizing Weight of Frames by Adopting Built-up Sections Over Hot- Rolled Sections for Sustainable Construction	Singh, S.,Singh, H.	Lecture Notes in Civil Engineering 113,pp.591	2021				(15+5+15)0 .6 =21

	To investigate the mechanical and durability properties of cement mortar incorporating agrowaste	A.,Sharma		2021	54-71.	1.577		(15+5+15)0 .6 =21
		Singh, H.,Ishfaq, M.	Lecture Notes in Civil Engineering 21 LNCE ,pp.2 50	2019				(15+5+15)0 .6 =21
16	Inelastic dynamic response of 3D reinforced concrete infilled frames	Singh, H.,Paul, D.K.	WIT Transactions on the Built Environmen t 97 ,pp.379	2008				(15+5+15)0 .6 =21
17	Response of 3-D framed structures under floor excitations	Singh, H.,Kumar, R.	Journal of Structural Engineering (Madras) 25 (4) ,pp.25	1999				(15+5+15)0 .6 =21
	Experimental investigation of Steel Fibre reinforced Self Compacting Concrete (SCC) using recycled aggregates as partial replacement of coarse aggregates	Kumar R.	Materials Today	Volume 48, Part 5, 2022,	1032- 1037			(15+5+15)0 .6 =21
19	Study on sulphate and chloride resistance of self- compacting concrete	Kotwal, S. Singh H., Kumar R.	Materials Today	Volume 48, Part 5, 2022,	1044- 1047			(15+5+15)0 .6 =21
20	Seismic Analysis of Multistorey Building Frame Resting on Plane and Sloping Ground	Singh H., Kaur M.		08 Issue: 09 Sep		7.529	e-ISSN: 2395-0056 p-ISSN: 2395-0072	(15+5+15)0 .6 =21

	Aneja, R.L. Sharma, Harpal Singh	Materials Today: Proceedings https://doi.or g/10.1016/j. matpr.2022. 06.371	2022	3724– 3730	2.3		
history analysis on	& Kaur, I.	Infrastruct.			2.848		
	& Singh H.	International	No.1s, January- June 2024:	67-75	5.968	Print version ISSN 0970 1052 Online version ISSN 2320 317X	

Publications in National Journals

S. No.	Title	Co- Authors, if any	Name Of Journal	Volume & Year	Pages	Impact Factor	ISSN/ISSN No.	API Score (R+I+IF)A
1	Structural Response of Frames Subjected to Torsion	Bedi RBL	Indian Concrete Institute	32, Sept. 1990	43-46	-	0972-2998	(5+5+0)0.6 =12
2	Finite Element Analysis of Skew Box Girder Bridges	(tarσ K	Indian Highways	Feb. 1992	33-37	-	0376-7256	(5+5+0)0.6 =12
13	A Simplified Mathematical Model for Skew Bridge Analysis	Sastry VV	ASCE (IS)	Oct-Dec 1993	2-5	-	-	(5+5+0)0.6 =12
4	Finite Element Analysis of Shear wall Frame System.	Singh G.	ASCE (IS)	July Sep 1993	3-7	-	-	(5+5+0)0.6 =12
5	Finite Element Analysis of Shear walls with	v	ASCE (IS)	8(5),Sept- Oct 1994	11-15	-	-	(5+5+0)0.6 =12

	Large Openings,							
6	Saw Tooth Stairs - An Experimental Study	Sharm S.	Indian Concrete Institute	50, Jan- Mar 1995	11-14	-	0972-2998	(5+5+0)0.6 =12
7	Response of 3-D Frames with Panels	Singla S	ASCE (IS)	14(2),Mar- Apr 2000	3-9	-	-	(5+5+0)0.6 =12
8	Rating and Retrofitting & Bridges	Singh A.	Indian Concrete Institute	3(2), 2002	39-44	-	0972-2998	(5+5+0)0.6 =12
9	Rating and Retrofitting of Bridges	Singh A.	Master Builder	2002	44-49	-	2291-8337	(5+5+0)0.6 =12
10	Tackling Vulearability in Bridges	-	IRC Highway Reasearch Board	30, 2002-3	88-89		0970-2598	5+5+0)0.6 =12
11	Tackling Vulearability in Bridges	-	IRC Highway Reasearch Board	31, 2003-4	103- 104		0970-2598	5+5+0)0.6 =125+5+0)0.6 =12
12	Analysis and Design of Prestressed Concrete Continuous Beams	Kukreja CB	Indian Concrete Institute	Oct-Dec 2006	35-40	-	0972-2998	(5+5+0)0.6 =12

Sub Total A=186+168=354

Non referred but recognized and reputable journals and periodicals having ISBN/ISSN numbers Sub Total $B\!=\!0$

Conference proceedings as full papers etc. (Abstracts not to be included)

Papers accepted in International Conferences

S. No	Title	Co- Authors, if any	Name Of Conference	Date / Year	Pages	ct	API Score (R+I+IF)A
1	Finite Element Analysis of Shear wall Frame system		Asia-Pacific Conference on Masonry, Singapur	14-15, March, 1991		-	(10+5+10)0.6 =15
2	Post	Paul DK	Tenth Symposium on	1, 16-18,	381-	-	(10+5+10)0.6

	Earthquake Failure Investigatio n of a Building		Earthquake Engineering, UOR, Roorkee.	Nov 1994	387			=15
3	Response of 3D Framed	R.	2nd Asia -Pacific Conference on Shock and Impact Loads on Structures, Melbourne CI-Premier Conference Organisation, Singapore	25-27 Nov., 1997	489- 498	-	ISBN: 981-00- 8906-6	(10+5+10)0.6 =15
4	NIFAP: Software for the Analysis of 3D Reinforced Concrete Infilled Frames Subjected to Earthquake Excitation		11th Symposium on Earthquake Engineering, UOR, Roorkee.	1, 17-19 Dec. 1998	397- 407	-		(10+5+10)0.6 =15
5	Rating and	Paul DK, Singh A.	12th Symposium on Earthquake Engineering, IIT, Roorkee	1, 16-18, Dec. 2002	1028- 1035	-		(10+5+10)0.6 =15
6	Inelastic Dynamic Response of 3D Reinforced Concrete Infilled Frames	Paul DK	HPSM 2008 Fourth International Conference on High Performance Structure and Materials, The Algarve Portugal. Organised by Wessex Institute of Technology, UK. WIT Transactions on The Built Environment, WIT Press www.witpress.com, (on- line)	97, 2008	379- 387	-	ISSN 1743- 3509	(10+5+10)0.6 =15
7	Influence of Heat ingredients on Specific Heat: An Experiment al Study		International UKIERI Concrete Congress for 21st Century, IIT Delhi, India	8-10 March 2011.	254- 266	-		(10+5+10)0.6 =15

8	Comparative study of convention al method and finite element analysis for overhead water tank	Amnind er Singh, Hardeep Singh	Concrete Research Driving Profit and Sustainability, International UKIERI Concrete Congress, NIT, Jalandhar, India	2-5 Novembe r, 2015	1713- 1717	(10+5+10)0.6 =15
9	Study of behaviour of a building L- shaped in plan	-	IInternational I K I H R I	2-5 Novembe r, 2015	1510- 1518	(10+5+10)0.6 =15
11()	Analysis of undergroun d water	r Maurya, Hardeep	IInternational LIK IFRI	2-5 Novembe r, 2015	1718- 1723	(10+5+10)0.6 =15
11		Paul D.K.	The Thirteenth International Conference on Computational Structures Technology, Sitegs Spain	4-6 Sept., 2018	-	(10+5+10)0.6 =15
12	Post Earthquake Damage/Fa ilure Studies of Reinforced Concrete Infilled Frames	Paul D.K.	Eight Internationals Conference on Engineering Failure Analysis 2018, Budapest, Hungary.	8-11, July 2018		(10+5+10)0.6 =15
13	Concrete	Mohd Ishfaq	International Conference on Sustainable Waste Management through Design (IC_SWMD) © Springer Nature Switzerland AG 2019 H. Singh et al. (Eds.): ICSWMD 2018, LNCE 21, pp. 250–263, 2019. https://doi.org/10.1007/978-3-030-02707-0_31	21, 250–263, 2-3, Nov. 2018		(10+5+10)0.6 =15

14	Istorev RC	Akash Aneja	UKIERI Concrete Congress, Concrete: The Global Builder, BR NIT, Jalandhar-144011, (Punjab) India			(10+5+10)0.6 =15
15	Minimizing Weight of Frames By Adopting Built-Up Sections Over Hot- Rolled Sections For Sustainable Construction	Singh S.	Sustainable Development through Engineering Innovations, Guru Nanak Dev Engineering College, Ludhiana	17- 19 Sept., 2020		(10+5+10)0.6 =15

Papers accepted in National Conference Papers accepted in National Conference

S. No	Title	Co- Authors, if any	Name Of Conference	Date / Year	Pages	Impact Factor	ISSN/ ISSN No.	API Score (R+I+IF)A
1	Flexural Behavior of Ferro-Cement Beams under Quasi-cyclic Loading	Singh S	Proc. of First National Symp. on Const. Engg. and Mangmt.,College of Engineering, Anna University, Madras	9-10, March,19 92	107- 112	-	-	(10+5+10) 0.6 =15
2	Mapping congestion Patterns on Urban Highways Network using Computer Graphics		National workshop on Road Safety, T.I.E.T., Patiala	April 10- 11, 1992		-		(10+5+10) 0.6 =15
3	Earthquake Resistant Design of Brick Masonry Structures	Rai HS	Workshop on International Day of Natural Disasters Redressal, Pb. Bhawan Chandigarh	13th. Oct. 1993		-	-	(10+5+10) 0.6 =15
4	Safety Aspect of Brick Masonry Buildings in the Context of Earthquake		NSSE95, GZSCET Bathinda	1993		-	-	(10+5+10) 0.6 =15
5	Nonlinear Analysis of	Rai HS	National Conf. on Comp. Applications	April 1994		-	_	(10+5+10) 0.6

	Circular Shells with Opening using Finite Element Method		in Civil Engg, TIET, Patiala				=15
6	Response of Frames with Staggered Panels using Finite Element Method	Sastry VV	National Conf. on Computer Aided Structural Analysis and Design, NC- CASAD, 96 ESCI, Hyderabad	3-5, Jan. 1996.	-	-	(10+5+10) 0.6 =15
	Computer Aided Analysis and Design of Overhead Service Reservoir	Singh GM	Recent Trends in Computer Applications in Engg, College of Engg.& Tech., Bathinda	March 8- 9, 1996	-	-	(10+5+10) 0.6 =15
8	Developments in Structural Steel Work	Singh S	National Seminar on Infra-Structure Development Role of Construction Industry, G.N.E.C., Ludhiana	June 03, 1996	-	-	(10+5+10) 0.6 =15
9	Soil Structure Interaction on the Response of Turbo- Generator Foundation		8th. Punjab Science Congress, Punjabi University Patiala	Feb. 7-9, 2005	-	-	(10+5+10) 0.6 =15
10	Soil Structure Interaction Analysis of Plane Frame using FEM	Singla S	Trends in Geotechnical Engineering, GZSCET, Bathinda	April- 2005.	-	-	(10+5+10) 0.6 =15
111	Seismic Risk and Aseismic Design in Punjab	Kaur M	9th. Punjab Science CongressGNDCRI, Sunam	7-9 Feb., 2006.	-	-	(10+5+10) 0.6 =15
12	High Strength Silica Fume Concrete	Singh T	14th Punjab Science Congress, SLIET Longowal	7-9 Feb., 2011	-	-	(10+5+10) 0.6 =15
13	Web Based- Analysis of Reinforced Concrete	Rai HS, Gaba H	Innovative Challenges in Civil Engineering, PTU, Giani Zail Singh Campus Bathinda	15-16 March 2012	-	-	(10+5+10) 0.6 =15

		1	C . 1 : 1 A 1	1	200	(10.7.10)
14	Seismic Modeling In Soil Structure Interaction Continuum	-	Geotechnical And Geoenvironmental Aspects Of Wastes And Their Utilization In Infrastructure Projects, G.N.D.E.C., Ludhiana	15-16, February, 2013	290- 295	(10+5+10) 0.6 =15
15	Measurement of Split Strength of Comparative Strength and Workability of Conrete		3rd National Conference on Advances in Metrology, AdMet- 2014,TU, Patiala	19-21, Feb. 2014		(10+5+10) 0.6 =15
16	Numerical Analysis of Slabs with Opening	Kaur P.	Geotechnical Engineering Practice and Sustainable Infrastructure Development (GEPSID), GNDEC, Ludhiana	11-12, Oct. 2014	451- 461	(10+5+10) 0.6 =15
17	A Relative Study of Shear Wall Configuration in a Framed System of Multi-Storey Building	Kumar A. Rai H.	Geotechnical Engineering Practice and Sustainable Infrastructure Development (GEPSID), GNDEC, Ludhiana	11-12, Oct. 2014	400- 409	(10+5+10) 0.6 =15
18	Experimental Study of Shear Strength of High Strength Reinforced Concrete Beams	Kaur B.	Geotechnical Engineering Practice and Sustainable Infrastructure Development (GEPSID), GNDEC, Ludhiana	11-12, Oct. 2014	333- 340	(10+5+10) 0.6 =15
19	Effect of Steel Fibre on the Stress-Strain Behaviour of Fly ash concrete		Geotechnical Engineering Practice and Sustainable Infrastructure Development (GEPSID), GNDEC, Ludhiana	11-12, Oct. 2014		(10+5+10) 0.6 =15

Sub Total C=540

Total A+B+C=354+0+540=894

List of Publications in SCI/Scopus

S. No.	Title	Authors	Date	Source Title
3. No.	Minimizing Weight of Frames	Singh,	2021	Lecture Notes in Civil
1	by Adopting Built-up Sections	S.,Singh, H.	2021	Engineering 113 ,pp.591
	Over Hot-Rolled Sections for	5.,5111g11, 11.		Engineering 113,pp.371
	Sustainable Construction			
2	To investigate the mechanical	Aneja,	2021	Journal of Green
_	and durability properties of	A.,Sharma,	2021	Engineering 11 (1) ,pp.54
	cement mortar incorporating	R.L.,Singh,		Engineering 11 (1),pp.51
	agrowaste	H.		
3	Durability property of self	Singh,	2019	Lecture Notes in Civil
	compacting concrete with	H.,Ishfaq,		Engineering 21
	recycled aggregate and silica	M.		LNCE ,pp.250
	fume			
4	Inelastic dynamic response of	Singh,	2008	WIT Transactions on the
	3D reinforced concrete infilled	H.,Paul,		Built Environment
	frames	D.K.		97 ,pp.379
5	Response of 3-D framed	Singh,	1999	Journal of Structural
	structures under floor	H.,Kumar,		Engineering (Madras)
	excitations	R.		25 (4) ,pp.251
6	Inelastic dynamic response of	Singh,	1998	Computers and Structures
	reinforced concrete infilled	H.,Paul,		69 (6) ,pp.685
	frames	D.K.,Sastry,		
		V.V.		
7	Non-linear analysis of frames	Singh,	1992	Computers and Structures
		H.,Singh,		44 (6) ,pp.1377
		G.M.		
8	Experimental investigation of	Kotwal, S.	2022	Materials Today, Volume
	Steel Fibre reinforced Self	Singh H.,		48, Part 5
	Compacting	Kumar R.		
	Concrete (SCC) using recycled			
	aggregates as partial			
	replacement of			
	coarse aggregates	-		
9	Study on sulphate and chloride	Kotwal, S.	2022	Materials Today, Volume
	resistance of self-compacting	Singh H.,		48, Part 5
	concrete	Kumar R.		
10	Mechanical and durability	Akash	2022	Materials Today:
	properties of biochar concrete	Aneja, R.L.		Proceedingshttps://doi.org
		Sharma,		/10.1016/j.matpr.2022.06.
		Harpal		371
1.1		Singh	2022	Y
11	Nonlinear time history analysis	Singh, L.,	2023	Innov. Infrastruct. Solut.
	on irregular RC building on	Singh, H. &		https://doi.org/10.1007/s4
	sloping ground	Kaur, I		1062-023-01049-1 8,
10	A 4	IZ) //	2024	85 (2023).
12	Advancements and Challenges	Kaur M.	2024	Library Progress
	in Building Information	& Singh II		International
	Modelling (BIM) in Structural	Singh H.		Vol.44, No.1s, January-
	Analysis: A Comprehensive			June 2024: P.67-75
	Review			DOI:

		https://doi.org/10.52710/1
		pi.44.1s.6

Book Chapter

S. No.	Title	Authors	Date	Source Title
1	Minimizing Weight of Frames by	Singh,	2021	Lecture Notes in Civil Engineering,
	Adopting Built-up Sections Over	S.,Singh, H.		vol 113. Springer, Singapore.
	Hot-Rolled Sections for			https://doi.org/10.1007/978-981-
	Sustainable Construction			15-9554-7_53
2	Durability property of self	Singh,	2019	Lecture Notes in Civil Engineering
	compacting concrete with	H.,Ishfaq, M.		21 LNCE ,pp.250
	recycled aggregate and silica			
	fume			

M. Tech Thesis Guided

4 Khaira G.S. 1990 Behaviour of Shear Wall Frame System 5 Singh A 1991 Nonlinear Analysis of Circular Shells with Openings using FEM 6 Singh G.M 1991 Flexural Behaviour of First and Second Order Analysis of Frames 7 Singh S 1991 Flexural Behaviour of Ferro-Cement Beams under Cyclic Loading 8 Singh D 1991 Bond Properties of Fiber Reinforced Concrete 9 Verma K 1991 Elasto-Plastic Analysis of Plane Frames 10 Singla S 1992 Response of Frames with Infilled Panels using Finite Element Method 11 Kaur I. 1992 Behaviour of Frames with Infilled Panels 12 Sharma R.K. 1992 Elasto-plastic Analysis of 3D Frames with Generalised Yield Function 13 Sharma C.M 1992 Behaviour of Saw Tooth type Stair Case 14 Garg R 1993 Behaviour of 3D Frames with Infilled Panels 15 Shridhar S 1993 Elasto-plastic Analysis of Space Frames 16 Dhillon B.S 1993 Post Failure Analysis of a Building 17 Garg V.K 1995 Relative Study of Solvers for Finite Element Analysis 18 Pal P 1995 Three Dimensional Analysis of Building Systems 19 Singh V.K 1995 Analysis and Design of Prestressed Continuous Beams 20 Kumar R 1996 Response of 3D Framed Structures under Floor Excitations 21 Kumar P 22 Sapla P 1997 NFEMRCS, An Interactive Software for Nonlinear Finite Element 23 Singh S 1997 IADIS, Interactive Analysis and Design of Industrial Structures 24 Singla S 1998 Soil- Structure Interaction Analysis of Frames using Finite Element 25 Kaur A 2000 Software Development for Desisgn of Overhead Service Reserviors 26 Singh T 2002 High Strength Silica Fume Concrete 27 Kaur H 2002 Behavior of Ferrocement-Confined Concrete in Compression 28 Pooja 2002 Behavior of Ferrocement-Confined Concrete (Compressive Singh S Singh S 2004 Studies on Flyash Steel Fibre Reinforced Concrete (Compressive Singh S Singh S 2004 Analysis and Experimental Behavior of R.C.C. Rectactangular Slab Having Circular Opening by Yield Line Theory				
R.S. 1989 Behaviour of Frames subjected to Lorston Aggarwal V 1989 Behaviour of Shear Wall Frame System V 1990 Skew Box Deck Analysis using FEM Khaira G.S. 1990 Behaviour of Shear Wall Frame System Singh G.M. 1991 Nonlinear Analysis of Circular Shells with Openings using FEM Singh G.M. 1991 Comparative Study of First and Second Order Analysis of Frames Flexural Behaviour of Ferro-Cement Beams under Cyclic Loading Flexural Behaviour of Ferro-Cement Beams under Cyclic Loading Plexural Behaviour of Ferro-Cement Beams under Cyclic Loading Plexural Behaviour of Frames With Infilled Panels using Finite Element Method In Kaur I. 1992 Behaviour of Frames with Infilled Panels using Finite Element Method Behaviour of Frames with Infilled Panels Infilled Panels Infilled Panels Infilled Panels Behaviour of Saw Tooth type Stair Case Sharma C.M. 1992 Behaviour of Saw Tooth type Stair Case Behaviour of Saw Tooth type Stair Case Load Behaviour of 3D Frames with Infilled Panels Infill		Name	Year	Title
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Matrix Composites	58	Sameeksha	2018	_	
Duggal A. 2019 Response and design chart of L and T shaped combined footing	59	Kaur A.	2019		
	60	Duggal A.	2019	Response and design chart of L and T shaped combined footing	

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61	Sharma A.	2019	Laboratory study on effects of crushed glass and metakaolin on mechanical properties of concrete
62	Yani A.	2019	Performance Of Different Shear Wall Positions In Building Using Pushover Analysis
63	Cheema G.	2019	Strength And Durability Of High Strength Concrete Incorporating Rice Husk Ash And Metakaolin
64	Khera G.	2020	Comparative Study of Industrial Bent Design as per IS: 1893 (Part 4): 2005 and 2015
65	Singh N.	2020	Effect of Replacement of Coarse Sand with Crumb Rubber Concrete
66	Prabhakar P.	2020	Comparative Study of 220 KV Transmission Tower for Codal Provision of IS 802-1995(Part1/Sec1) a d IS 802-2015(Part1/Sec1).
67	Abhishek Nandan	2021	Sustainable Geopolymer Concrete With Molarity Variation And Curing Effects
68	Amir Hussain Bhat	2021	Strength Determination of Fly-Ash/GGBFS Based Geopolymer Concrete Using Waste Foundry Sand As Fine Aggregate
69	Navpreet Singh	2021	Effect Of Replacement Of Coarse Sand With Crumb Rubber Concrete
70	Shagun Puri	2021	Seismic Analysis Of Multistorey Building Frame Resting On Plane And Sloping Ground
71	Lovpreet Singh	2022	Non-Linear Time History Analysis On Irregular Rc Building On Slopy Ground
72	Jindal Ayush	2022	Topic: Strength properties of Geopolymer mortar over cement mortar

Swayam Arpit Online Course Certification

Date of Examination	Name of Subject	Scheme	Institute	
16.02.2020	Sustainable Construction Materials & Techniques	CAS	NITTTR Chennai	

Seminars/Short Term Courses/Summer Schools/Winter Schools attended

S. No.	From	То	Institute	Sponsered By	Name Of Course
1	09.06.1986	12.07.1986	UOR, Roorkee	QIP	Microprocessor and its Applications
2	22.06.1987	05.07.1987	UOR, Roorkee	QIP	Seismic Analysis and Design of Tall buildings
3	19.06.1988	02.07.1988	UOR, Roorkee	QIP	Finite Element Applications to Dynamic
4	08.12.1988	21.08.1988	IIT, Delhi	QIP	Dynamic Loadings on Structures and their Behaviour
5	18.06.1989	01.07.1989	UOR, Roorkee	QIP	Computer Aided Drafting in Mini and Micro
6	08.03.1991	08.03.1991	TIET, PTA.	QIP	Workshop on Water and Pollution Control
7	17.07.1991	30.07.1991	UOR, Roorkee	QIP	Finite Element Applications to Structural
8	10.04.1992	11.04.1992	TIET, PTA	QIP	National Workshop on Road Safety
9	23.06.1992	02.07.1992	UOR, Roorkee	QIP	Earthquake Hazards Evaluation for Design of Structures
10	22.06.1993	06.07.1993	UOR, Roorkee	QIP	Earthquake Resistant Design of Buildings
11	21.06.1994	05.07.1994	UOR, Roorkee	QIP	Application of Finite Element Method in Engineering
12	05.06.1995	09.06.1995	IIT, Kanpur	QIP	Random Response of Structures to Wind and Earthquake
13	03.01.1996	05.01.1996	ESCI, Hyderabad	QIP	National conference on computer Aided Design
14	19.06.1997	03.07.1997	UOR, Roorkee	QIP	Understanding Earthquake Disasters
15	10.12.199	12.12.1999	Kongu Engg. College, Preundrai	AICTE	National Seminar on Management of Technical Education
16	09.07.2001	14.07.2001	BEC & INSDAG, Kolkatta	INSDAG	Structural Steel Design for University Faculty
17	03.01.2005	11.02.2005	NPCBEERM, IIT, Roorkee	MHRD	Disaster Management in Earthquake Engg
18	30.03.2007	30.07.2007	IIT, Delhi	QIP	Use and Deployment of Web & Video Cameras,

18.07.2006	20.07.2006	ESCI, Hyderabad	AICTE	Management of Engineering Colleges for Better Education
11.02.2006	12.02.2006	FICCI, Delhi	FICCI, UGC	The Higher Education Summit, Private Higher
27.04.2007	28.04.2007	IE (India)Delhi State Centre, NewDelhi	IE	Sustaining Quality in Technical Education in Engineering
25.07.2011	29.07.2011	NITTTR Chandigarh	NITTR	Student Evaluation
22.12.2011	05.01.2012	GNDEC, Ludhiana	IGS	Ground Improvement and Ground Control including Waste Containment with Geosynthetics
22.05.2012	23.05. 2012	GNDEC, Ludhiana	IGS	Learning Content Management System
16.12.2012	16.12.2012	GNDEC, Ludhiana	IGS	International Workshop
22.07. 2013	27.07.2013	GNDEC, Ludhiana	TEQIP II	Finite Element Method to Solve Engineering Problems
10.10.2015		GNDEC, Ludhiana	TEQIP II IGS	Numerical and Physical Modelling in Engineering
17.12 2018	21.12.2018	GNDEC, Ludhiana	NITTTR Chandigarh	Green Building and Techniques
21.05.2020		Online webinar	Hilti India Pvt. Ltd. Gurgaon	Why you should design MEP support fixings for Seismic Conditions?
09-04-2020		Online webinar	Hilti India Pvt. Ltd. Gurgaon	Be More Productive for Planned Rebarring Applications with Hilti Solutions
02-04-2020		Online webinar	Hilti India Pvt. Ltd. Gurgaon	Productivity and Efficiency in Designing Steel-to-Concrete Connections
09.05.2020		Online webinar	ISET, IITR	Earthquake Engineering and Technology
27.05.2020		Online webinar	ISET, IITR	Seismic Hazard Assessment
16.05.2020		Online webinar	ISET, IITR	Performance Based Seismic Design of Structures
23.05.2020		Online webinar	ISET, IITR	Relevance of Site Effect in Earthquake Resistant Construction
29.05.2020	31.05.2020	Online webinar	Indian Concrete Institute Ghaziabad	International Webinar on Durability, Design and Construction Aspects of Bridges
11.05.2020	16.05.2020	Online webinar	MIDAS, India	Short Course: Basic Conventional Bridges
18.05.2020	22.05.2020	Online webinar	MIDAS, India	Short Course: midas Civil Advanced Features
28.05.2020	12.06.2020	Online webinar	MIDAS, India	Short Course Numerical Solutions to Geotechnical Challenges
	11.02.2006 27.04.2007 25.07.2011 22.12.2011 22.05.2012 16.12.2012 22.07. 2013 10.10.2015 17.12 2018 21.05.2020 09-04-2020 09-04-2020 27.05.2020 27.05.2020 23.05.2020 29.05.2020 11.05.2020 11.05.2020	11.02.2006 12.02.2006 27.04.2007 28.04.2007 25.07.2011 29.07.2011 22.12.2011 05.01.2012 22.05.2012 23.05. 2012 16.12.2012 16.12.2012 22.07. 2013 27.07.2013 10.10.2015 21.12.2018 21.05.2020 09-04-2020 09-04-2020 09.05.2020 27.05.2020 16.05.2020 23.05.2020 23.05.2020 11.05.2020 16.05.2020 18.05.2020 22.05.2020 18.05.2020 22.05.2020	11.02.2006	11.02.2006 12.02.2006 FICCI, Delhi FICCI, UGC

Membership of Professional Bodies

S. No.	Name
1	Seismic Analysis and Design, USA, Group Member
2	American Society of Civil Engineers (ASCE) Group Member
3	Civil Engineer USA Group Member
4	Construction Management - Construction & Materials-Brijj.com Group Member
5	Life Member ABI, American Biographical Institute, USA.
6	Life Fellow (LF-42), Indian Society of Earthquake Technology, ISET, Dept. of Earthquake Engg. Building, IIT, Roorkee.
7	Life Fellow (F-110886/3H), Institute of Engineering (India), 8, Gokale Road Kolkatta.
8	Life Member (LM-16819), Indian Society of Technical Education (ISTE), Indian Society of Technical Education, IIT Campus, N. Delhi-110016.
9	Life Member (LM-928), Metrology Society of India, N. Delhi.
10	Life Member (LM-3716) Indian Geotechnical Society, N. Delhi.
11	Professional Engineer (India) (PE7001305), Institute of Engineering (India), 8, Gokale Road Kolkatta.

Soft Skills:

FORTRAN, C, STAAD, ANSYS, AUTOCAD, MS Office etc.

Membership of University / Institute Bodies

S. No.	Name
1	Chairman BOS, Chandigarh University, Chandigarh
2	Member BOS, Pbi. Uni. Patiala.
3	Member Academic Council, GNDEC, Ludhiana.

Administrative Responsibilities held

S. No.	From	То	Position Held	Contribution
1	01.10.2017	13.11.2017	Principal GNDEC, Ludhiana	Administration
2	11.05.2005	31.03.2010	Principal GZSCET Bathinda	Administration
3	11.05.2005	31.03.2010	Coordinator Nodal Centre PTU	Administration
4	31.07.2003	10.05.2005	Head Deptt. of Civil Engg	Administration
5	05.12.2001	10.01.2003	Dean Academic	Administration
6	01.01.2018	31.08.2022	Chairman Grievances Cell	Administration

Details of Ph. D. Students guided

S. No.	Name	Year	Title
1	Mohinder Singh-1502007		High Strength Self Compacting Concrete With Recycled Aggregates Using Fly Ash
2	Sunita Kotwal-14022004	I/III/I_OngOing	Fiber Reinforced Self-Compacting Concrete with Recycled Aggregates
3	Mandeep Kaur- 1802001	2018-ongoing	Machine Generated Structural Models
4	Prabhjot Singh-1802007	2018-ongoing	Relative Study of the IRC Loading and Actual Loading on Bridges
5	Akash Aneja- 41800100	2019-ongoing	Structural behavior of agro-waste based concrete

Future Research Areas

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S. No.	Topics
1	High Strength Self Compacting Concrete With Recycled
	Aggregates Using Fly Ash
2	Fiber Reinforced Self-Compacting Concrete with Recycled
	Aggregates
3	Computational Structural Technology
4	Engineering Structures Technology
5	Bridge Rating, Analysis and Design

Conferences Organised

S. No.	Conference	Date
1	Sustainable Development through Engineering Innovations, Guru Nanak Dev Engineering College, Ludhiana	17- 19 Sept., 2020
2	International Conference on Sustainable Waste Management through Design (IC_SWMD) © Springer Nature Switzerland AG 2019 H. Singh et al. (Eds.): ICSWMD 2018, LNCE 21, pp. 250–263, 2019. https://doi.org/10.1007/978-3-030-02707-0_31	2-3, Nov. 2018
3	Geotechnical And Geoenvironmental Aspects Of Wastes And Their Utilization In Infrastructure Projects, G.N.D.E.C., Ludhiana	15-16, February, 2013
4	Geotechnical Engineering Practice and Sustainable Infrastructure Development (GEPSID), GNDEC, Ludhiana	11-12, Oct. 2014

Seminars/Short Term Courses/Summer Schools/Winter Schools organized

S. No.	From	То	Name	•	_	No. Of Participants - from industry
1	16.12.20 05	05	Earthquake Resistant Design of Buildings	AICTE	25	5
2	16.08.20	31.08.20	Earthquake	MHRD	20	10

09	09	Resistant Design of		
		Buildings		

Sponsored Projects undertaken

	Sponsering Agency	Title	Area	Period	Δ mount	Whether Completed	Accomplishment
1	AICTE	Tackling Vulnerability in Bridges	Bridges	2000-02	Rs. 8.0 lac	yes	Published
2	PTA	PC Based Finite Element Analysis of Structures	FEM, CAD	Dec.	Rs. 3.0 lac	VAC	Software for structural Analysis

Soft Skills:

FORTRAN, C, STAAD, ANSYS, AUTOCAD, MS Office etc.

Membership of University / Institute Bodies

S. No.	Name
1	Chairman BOS, Chandigarh University, Chandigarh
2	Member BOS, Pbi. Uni. Patiala.
3	Member Academic Council, GNDEC, Ludhiana.

Awards/Recognitions won

S. No.	Name
1	American Medal of Honor., 2003-American Biographical Institute-USA.
2	Man of the Year-2003, 2003-American Biographical Institute-USA.
3	Member-Research Board of Advisors, 2004-American Biographical Institute-USA.
4	2000 Outstanding Intellectuals of the 21st Century, 2004, 2004-American Biographical Institute-USA.
5	2000 Outstanding Intellectuals of the 21st Century, 2005, 2005-American Biographical Institute-USA.
6	World Medal of Freedom, 2006-American Biographical Institute-USA.
7	Glory of India Award and Certificate of Excellence, at London, 2007-India International Friendship Society, New Delhi.
8	International Gold Star Award, at London, 2007-India International Friendship Society, New Delhi.
9	International Achievers Award Bangkok (Thailand), 2008-India Achievers Forum, Delhi.
10	Nelson Mandela Peace International Award, 2013- Economic Growth Society of India, New Delhi.
11	Mother India Award for Education Excellence 2005, 2006-Economic and Human Resource Development Association, New Delhi.
12	Life Time Education Achievement Award 2005, 2006-Health and Education Development Association, New Delhi.
13	Rajiv Gandhi Excellence Award-2006, 2006-India International Friendship Society, New Delhi.
14	Vijay Rattan Award, 2005, 2006-India International Friendship Society, New Delhi.
15	Jewel of India Award-2006, 2006-Indian Solidarity Council New Delhi.
16	Certificate of Merit-2006, 2006-Indian Solidarity Council, New Delhi 2006
17	Jewel of India Award, 2006-Indian Solidarity Council, New Delhi.
18	Great Achiever of Education Excellence Award-2005, 2006-Intellectual People and Economic Growth Association, New Delhi.
19	Indira Gandhi Excellence Award-2006,2006-International Business Council, New Delhi.
20	Glory of India Award & Certificate of Excellence-2006,2006-International Inst. of Success Awareness.
21	Glory of India Gold Medal, 2005, 2006-International Inst. of Success Awareness, New Delhi.
22	Life Time Achievement Gold Medal Award-2006,2006-International Institute of education & Management, New Delhi.
23	Eminent Citizen of India Award & Certificate of Merit, 2006-International Institute of Education & Management, New Delhi.
24	Bharat Shiksha Ratan Award with Medal, 2007-Global Society for Health and Education Growth, New Delhi.
25	Bhartiya Shiksha Rattan Award 2006 with Medal, 2007-Health and Education Development Association New Delhi.
26	Jewel of India Award-2007 for Field of Education-2007, 2007-Health and Education Development Association, New Delhi.
27	National Status Award for Education Leadership 2007, with Medal, 2007-Health and Education Development Association, New Delhi.

28	Shiksha Rattan Puraskar, 2007-India International Friendship Society, New Delhi.
	Vikas Rattan Gold Award with Medal, 2007-Indian Organisation for Business Research &
29	Development, New Delhi.
30	Jan Seva Sadbhavna Award 2006 with Medal,2007-Indian Organisation for Business Research & Development, New Delhi.
31	Rashtriya Samman Purskar & Gold Medal-2007, 2007-Indian Society for Industry & Intellectual Development, New Delhi.
32	Rashtrya Samman Purskar & Gold Medal, 2007-Indian Society for Industry & Intellectual Development, New Delhi.
33	National status Award for Education Leadership 2006 with Medal,
34	National Status Award for Intellectual Development 2007 with Medal and A certificate of Merit, 2007-Intellectual Peoples and Economic Growth Association, New Delhi.
35	Education Acumen Award and Certificate of Merit,2007-International Institute of Education & Management, New Delhi.
36	Rashtriya Vidya Gaurav Award and Certificate of Merit, 2007-International Institute of Education and Management, New Delhi.
37	National Status Award-2006 Excellence in Their Respective Field, 2007-The Economical Human Resource Development Association, New Delhi.
38	National Status Award-2006, 2007-The Economic and Human Resource Development Association, New Delhi.
39	Bharat Gaurav Award, 2008-All India Achievers Foundation, New Delhi.
40	Rashtriya Shiksha Jyoti Award 2008 & Gold Medal, 2008-Indian Society for Industry & Intellectual Development, New Delhi.
41	National Excellence Award for Study and Management 2007 with Medal and A certificate of Merit, 2008-Intellectual Peoples and Economic Growth Association, New Delhi.
42	Education Life Time Achiever Award (with Medal), 2008-Nations Economic for Health and Educational Growth, New Delhi.
43	Vidya Rattan Gold Medal Award, 2008-The Economic for Health and Educational Growth, New Delhi.
44	National Status Award for Education Leadership 2007 with Medal, 2008-Health and Education Development Association.
45	Guru Shrestha Award-2008 (with Medal), Nations Economic for Health and Educational Growth, Delhi.
46	Bharat Nav Nirman Ratan Award (with Medal), 2008-Nations Economic for Health and Educational Growth, Delhi.
47	Punjab Gaurav Ratan Award (with Medal), 2008-Intellectual People and Economic Growth Association, Delhi.
48	National Status Award for Intellectual Development & Gold Medal, N. Delhi
49	Bharat Jyoti Award, 2008-India International Friendship Society, New Delhi.
50	National Gold Star Award, 2008-International Institute of Education & Management, Delhi.
51	Hind Ka Gaurav Award (with Medal), 2008-Achiever's Institute of India, Delhi.
52	International Achievers Award for Education Excellence, 2008-India Achievers Forum, Delhi.
53	Guru Shrestha Award-2008 (with Medal), 2008-Nations Economic for Health and Educational Growth, Delhi.
54	Millennium Excellence Award for Education, 2009-Economic Growth Society of India, Delhi.
55	Rajiv Gandhi Excellence Award, 2010-Economic Growth Society of India, N. Delhi.

56	Indira Gandhi Unity Award, 2010-Economic Growth Society of India, N. Delhi.
57	Indira Gandhi Vidhya Gold Award, 2012- International Institute of Education and Management, N. Delhi
58	Shiksha Rattan Puruskar, 2013- India International Friendship Society, New Delhi
59	Indo-Thai Friendship Award, 2013- Economic Growth Society of India, New Delhi.

Papers Reviewed:

Service Load Response Prediction of Reinforced Concrete Flexural Members, Str. Engg. & Mech. (an International Journal), 1999.

Number of different Courses/Subject Taught (UG/PG)

Sr. No.	Title of Subject	UG/PG	Number of Time Tought
1	Finite Element Method in Engineering Analysis	PG	5
2	Theory and Design of Plates and Grids	PG	5
3	Computer Aided Design	PG	5
4	Structural Dynamics	PG	2
5	Theory and Design of Shells	PG	4
6	Bridge Engineering	PG	5
7	Numerical and Analytical Techniques	PG	1
8	Water Retaining Structures	PG	2
9	Design of Steel Structures -II	UG	10
10	Structural Analysis-III	UG	5
11	Structural Analysis-II	UG	2
12	Structural Analysis-I	UG	1
13	Design of Steel Structures-I	UG	2
14	Design of Reinforced Concrete Structures-II	UG	1

Expert Lectures Delivered

s. No.	Topic	Place	Date
1	Finite Element Concepts	GNDEC, Ludhiana	22-26, July, 2013
2	Finite Element Modeling Techniques	GNDEC, Ludhiana	22-26, July, 2013
3	Bridges- World's Most Famous, World's Longest	LPU, Phagwara	29, March, 2013
4	Urban Sustainability and Infrastructure Development	GNDEC, Ludhiana	15-16, Feb, 2013
5	Sustainable Infrastructure	Global Institute of Management & Emerging Technologies, Amritsar	14, Oct, 2016
6	Finite Element Concepts	CU, CHD	8, July, 2015
6	Finite Element Modeling Techniques	CU, CHD	8, July, 2015
7	Finite Element Concepts	GNDEC, Ludhiana	31, Oct., 2013
8	FEA for waste minimization	NITTTR, Chandigarh	11, May, 2020
9	FEA for waste minimization	NITTTR, Chandigarh	08, June, 2020
10	Application of FEA in Mechanical manufacturing	NITTTR, Chandigarh	28, June, 2020
11	Basics of FEM	NITTTR, Chandigarh	14, Aug, 2020
12	FEM simulation in 3D engineering and biomedical science	NITTTR, Chandigarh	07, Oct., 2020
13	BRIDGES-World's Most Famous, World's Longest	Model Institute of Engineering and Technology Jammu, J&K	07, Sept. 2021
14	Role of Metrology in Earthquake Seismology	Thapar Institute of Engineering & Technology, Patiala	22, Feb. 2022

Grants Received:

 International Travel Grant to present paper, "Inelastic Dynamic Response of 3D Reinforced Concrete Infilled Frames" HPSM-2008 Fourth International Conference on High Performance Structures and Materials, 13-15 May 2008, The Algarve Portugal. Organised by Wessex Institute of Technology, UK.

AICTE RS.84.00 lac.

- 2. AICTE sponsored R & D Project on 'Tackling Vulnerability of Bridges', 2000-03, Rs. 8.00 lac.
- 3. AICTE sponsored short term course on 'Low Cost Housing', 2000, Rs. 0.84 lac.
- 4. International travel grant to present paper- 'Response of 3D Framed structures under floor excitation', 2nd Asia Pacific Conference on Shock and Impact Loads on structures Melbourne, Australia, 25-27, Nov. 1997.

a.	AICTE	Rs. 0.29 lac
b.	DST	Rs.0. 22 lac
c.	CST	Rs. 0.15 lac
d.	INSA	Rs. 0.15 lac

Consultancy Projects Undertaken:

Numerous designs under the following categories are undertaken:-

- 1. Design of Highway Bridges.
- Design of O.H.S.R. Circular, Intze and Conical Shell type resting on Columns or Shaft. 2.
- 3.
- Design of Multistoreyed Frame Structures.

 Design of Multistoreyed Framed Structures in Hilly Areas. 4.
- Concrete Mix designs. 5.
- Checking the Structural Safety of Structures. 6
- Structural Testing. 7.
- **Industrial Structures** 8.

	(Harpal Singh)
DATED:	Signature of the Applicant