

## BIO-DATA

**Name** : Gurprit Singh Bath

**Father's name** : Sh. Kiratpal Singh

**Address for Correspondence** : # 49, Sheesh Mahal Colony  
Dabwali Road,  
Bathinda, Punjab, India, 151001

**Parmanent Address** : VPO Sangha, Teh. Sardulgarh  
Distt. Mansa, Punjab, India.

**Qualification** : B.E. (Civil), M.C.R.P. (Town Planning)  
M.E. (Civil) Soil & Foundation Engg.

S. No.	Examination Passed	Board/ University	Year of Passing
1	Matric	P.S.E.B. Mohali	April 1981
2	B.E. (Civil)	Panjab University Chandigarh	May 1989
3	M.C.R.P. (Town Planning)	G.N.D.U. Amritsar	Feb. 1991
4	M.E. (Civil) Soil & Fdn. Engg.	Panjab University Chandigarh	July 1998
5	Ph D	IKGPTU Jalandhar	Persuing

### Experience:

S. No.	Department / Organization	Post Held	Duration	Pay Scale	Nature of Appointment
1	CEC Ltd Chandigarh	Site Engineer	09.01.91-20.01.90	Rs2000/-	Contract
2	Khosla Const. Co. BTI	Site Engineer	21.01.90-21.03.93	Rs3000/-	Contract
3	GZSCET Bathinda	Lecturer	22.03.93-31.01.94	2200-4000	Adhoc
4	GZSCET Bathinda	Lecturer	01.03.94-01.03.99	8000-13500	Regular
5	GZSCET Bathinda	Lecturer (Sr. Scale)	01.03.99-01.03.04	10000-15200	Regular
6	GZSCET Bathinda	Assistant Professor	01.03.04-01.03.07	12000-18300	Regular
6	PTU, GZS Campus Bathinda	Associate Professor	01.03.07-Till date	37400 + 9000 GP	Regular

## Research work during master's degrees

1. Master in city and regional planning thesis on “Siting and planning of grain markets at Mansa and Khanna” .
2. M E Civil (Soil Mechanics and Foundation Engineering) thesis on “Effect of rice husk ash on the behavior of clayey soil”.

## M Tech thesis guided:

S. No.	Topic	Name and Roll No. of Student	Year of Research	Guide/ Co-guide
1	Traffic and Transportation Problems of Bathinda – A case Study	Mr Sunil Kumar.	---	Guide
2	Stabilization of clayey soil with fly ash	Sarpreet Singh Mand	May 2010	Guide
3	Transformation of residential area : An analytical study of town planning scheme in Ludhiana	Gurmit Singh Brar 1096/06	Aug 2013	Guide
4	Effect of Biogas ash on the behavior of clayey soil	Gurraj Singh	March 2015	Guide
5	Experimental investigation on cement concrete using copper slag	Harpreet Singh 1268749	June 2015	Guide
6	Building Maintenance Techniques – Flaws and Remedies in case of public building in Punjab	Virdevender Paul 96316482005	July 2016	Guide
7	Effect of silica fumes on cement concrete	Samdish Abrol 1351239	July 2016	Co-Guide
8	The challenges for Bathinda to become a smart city	Jasganjot Sidhu 1414031	Aug 2016	Guide
9	Siting and planning of truck terminus for Bathinda	Yogita Gupta 1351242	Aug 2016	Co-Guide
10	Stabilization of clayey soil by using concrete waste	Navkamaljeet Singh 1414035	Aug 2016	Guide
11	Effect Recycled coarse aggregate on properties of concrete	Rajan Vinayak 1351237	Aug 2016	Guide
12	Effect of different size of cubes on the strength characteristics of concrete	Sukhcharn Singh 1351241	Sept 2016	Guide
13	Experimental investigation on cement concrete using surkhi powder from brick bats	Baljeet Singh 1351335	Sept 2016	Co-Guide
14	Municipal solid waste management in Bathinda – A case study	Ramandeep Singh Sidhu 1351265	Oct 2016	Co-Guide
15	Environmental impact of crop residue burning on air quality of Bathinda area - Punjab	Sanjay Kumar 1351649	Nov 2016	Co-Guide
16	Impact of Agra city on the quality of Yamuna river	Radha Kumari 1351646	Nov 2016	Co-Guide
17	Influence of shredded tyres on	Gurjinder Singh	Dec 2016	Guide

	characteristics of clayey soil	1414025		
18	Effect of fly ash and rice husk ash on the properties of cement	Parmod Kumar	Dec 2016	Guide
19	Use of waste ceramic tile aggregate as an alternate material of coarse aggregate in cement concrete	Jaspreet Singh 1351233	Jan 2017	Co-Guide
20	Effect of recycled fine concrete on the properties of concrete	Sandeep Mann 1351240	Jan2017	Guide
21	Characterization of treated sewage effluent using different technologies in Punjab- Malwa Region	Jagmeet Singh Sidhu1351263	April 2017	Guide
22	Study of high strength concrete using microsilica	Ramanpreet Singh 1414187	May 2017	Co-Guide
23	Assessment on effect of land pollution on ground water quality in Ludhiana city	Akshay Vishisht 1351639	May 2017	Co-Guide
24	Environmental impact assessment on surrounding of a refinery plant – IOCL Panipat refinery and petrochemical complex (Case study)	Rubel Sharma 1414128	May 2017	Guide
25	Risk Management in relation to the cost of construction	Anuja Gopal 1414045	June 2017	Co-Guide
26	Comparison of solar energy system with conventional power system : A Case study of GZSCCET Bathinda	Harpartap Singh 1414048	June 2017	Co-Guide
27	Use of dry sludge in fired bricks	Vineet Garg 1414062	June 2017	Co-Guide
28	Effect of rubber tyres on the behavior of concrete with its partial replacement by coarse aggregates	Gurkirat Singh 1414047	June 2017	Guide
29	Strength characteristics of concrete by partial replacement of fine aggregates with aluminum scrap powder	Ved Parkash Goyal 15190059	June 2017	Guide
30	Stabilization of clayey soil with waste marble powder	Kuldeep Kaur 15190049	June 2017	Guide
31	Influence of waste fly ash on characteristics of clayey soil	Palak Chopra 15190056	June 2017	Guide
32	Adsorption of lead Pb <sup>2+</sup> from waste water using carbonized rice husk	Money 153644	June 2017	Co-Guide
33	Analyzing the properties of concrete by partial replacement of cement with bentonite	Deepak Kumar 1414173	June 2017	Co-Guide
34	Effect of partial replacement of cement with waste marble powder on properties of concrete	Niharika Bhusri 15190055	July 2017	Guide
35	Effect of waste asbestos sheet on the behavior of concrete with its partial replacement by coarse aggregate	Ranandeep Singh 1452880	July 2017	Guide
36	Use of coconut shell used as coarse	Anish Tayal	July 2017	Co-Guide

	aggregate in concrete	1414170		
37	Effect of crushed over burnt brick aggregates on the properties of concrete	Gagandeep Singh 15190044	July 2017	Co-Guide
38	Effect of cube size on the compressive strength of cement	Anmolveer Singh Dhillon 15190042	Aug 2017	Guide
39	Effective utilization and planning of construction sites.	Naveen Bansal 1414052	Sept 2017	Co-Guide
40	To Study the effect of E-Plastic waste as a partial replacement of coarse aggregate in concrete	Jagdish Kumar 15190047	Oct 2017	Co-Guide
41	A Case study of effective utilization of treated effluent of Bathinda	Amrinder Singh Sidhu 1351257	Feb 2018	Guide
42	Arbitration in construction industry	Mohd. N. Neeshar Sheikh	March 2018	Co-Guide

### **Subject Taught to B Tech and M Tech. Students**

1. Geotechnical Engineering
2. Foundation Engineering
3. Soil Dynamics
4. Engineering Behavior of Soil
5. Advance Soil Mechanics
6. Advance Foundation Engineering
7. Foundation Construction and Design
8. Survey-1
9. Survey-2
10. Survey Camp
11. Quantity Survey
12. Surveying and Leveling

### **Research papers**

#### **Journal**

1. Singh S.K, Bath Gurprit Singh, Vivek Kumar, “Problems of water logging in Punjab – causes and remedies” in a journal of “ Environmental pollution & Control” on page no 22-26. March-April 99.
2. Harpreet singh, Gurprit Singh Bath, “Influence of copper slag as fine aggregate on the workability and compressive strength of concrete”, International journal of advance research in engineering and applied science, Volume 4, issue 5page 68-76, May 2015.
3. Harpreet singh, Gurprit Singh Bath, “Use of copper slag as fine aggregate – A case study”, International journal of innovations in engineering research and technology, Volume 2, issue 5, page 1-7, May 2015.
4. Harpartap Singh, Amanpreet Singh Virk, Gurprit Singh Bath, “An approach to solar energy system”, International of innovative and emerging research in engineering, Volume 4, Issue 2, Page 13-16, Feb. 2017.

5. Rajan Vinayak, Gurprit Singh Bath, Vinet Garg, “Comparison of properties between natural aggregate and recycled aggregate”, International of innovative and emerging research in engineering, Volume 4, Issue 2, Page 6-9, Feb. 2017.
6. Vineet Garg, Amanpreet Singh Virk, Gurprit Singh Bath, “Use of waste water treatment plant sludge in fired clay bricks”, International of innovative and emerging research in engineering, Volume 4, Issue 2, Page 10-12, Feb. 2017.

### **Administrative Responsibilities**

1. Member Board of Governors, PTU, GZS Campus, Bathinda.
2. Member Secretary, Building Works Committee, PTU, GZS Campus, Bathinda.
3. Member Secretary, Finance Committee, PTU, GZS Campus, Bathinda.
4. Registrar (Oct 2011 to July 2014), PTU, GZS Campus, Bathinda
5. Public Information Officer (Oct 2011 to July 2014), PTU, GZS Campus, Bathinda
6. Dean Consultancy (Sept 2010 to Nov 2011), PTU, GZS Campus, Bathinda
7. Chairman, House Allotment Committee
8. Member of Committee against sexual harassment
9. Coordinator, College Annual Athletic Meet -2010
10. Consultant (Geotechnical Engg. and Surveying)
11. Assistant Controller Examination (PTU Nodal Centre)( Jan 1998 – Aug 1999)
12. Warden hostel no. 4 ( July to 1994 – Sept 2000), Established hostel no. 4
13. Programming Officer NSS ( Jan 1999 –Dec 2007)
14. In-charge College Kabaddi Team ( March 1994- Dec 2007)
15. Laboratory In-charge (F.M. Lab., Survey Lab, Geo technical Engg and Geology Lab)

### **Membership**

1. Member of Engineers Australia
2. Associate member- Institution of Engineers India (IEI)
3. Life member - Indian Society for Technical Education (ISTE)
4. Life member- Indian Road Congress (IRC)
5. Life member- Indian geotechnical Society (IGS)
6. Life member – Institute of Town Planning India (ITPI)

### **Extra Curricular Activities**

- 1 NCC : College Colour and C- certificate in NCC
- 2 Kabaddi : College Colour and Captain of College Kabaddi team.
- 3 NSS : Attended three NSS (Ten days each) camps

Gurprit Singh Bath  
Associate Professor  
Deptt. of Civil Engg.,  
GZSCCET, Bathinda