

Veermata Jijabai Technological Institute, Mumbai (MS)						
GENERAL INFORMATION:						
Full name of the applicant		Dr. Jaydeepsingh G Solanki				
Date of Birth		31-05-1971				
Present post						
Designation and Grade:		Assistant Professor				
Date from which Held:		18-1-2008				
Name of the Organization:		Veermata Jijabai Technological Institute, Mumbai				
Address for communication:		Structural Engineering Department VJTI, Mumbai -400019				
E-mail Id:		jgsolanki@st.vjti.ac.in				
Telephone numbers for contact:		9226376172				
Office:		-				
Residence:		-				
Mobile:		9226376172				
The Indian language the applicant is able to speak fluently and read		English, Marathi, Hindi				
Knowledge of Marathi Language (Read/Write/Speak)		Yes Read, Write and Speak				
Essential Qualifications: (Graduation onwards)						
Sr No	Examination	Board / University	Institute	Subject / Course	Year of Passing	Division / Class
1	B.E Civil	North Maharashtra University	SSVPS College of Engineering, Dhule	Civil Engineering	1996	1 st Class
2	M.Tech	Mumbai University	Veermata Jijabai Technological Institute, Mumbai	Structural Engineering	2007	1 st Class
3	Ph.D	IIT Mumbai	Indian Institute of Technology Bombay, Mumbai	Civil (Structural Engineering)	2019	---

Details of Employment in Descending Order:						
Sr. No.	University / Institution / Organization	Post	From	To	Government / Private	Total (in years and months)
1	Veermata Jijabai Technological Institute Mumbai	Assistant professor	18-01-2008	Till date	Government Aided	16 years
2	SSBT's College of Engineering, Jalgaon	Senior Lecturer	01-08-2007	17-01-2008	Private	½ year
3	SSBT's College of Engineering, Jalgaon	Lecturer	22-12-1997	31-07-2007	Private	9 ½ years
4	Dharashivkar, Consultant and Valuer, Dhule	Assistant Engineer	June 1996	21-12-1997	Private	1 ½ year
Total Experience:					27 years 9 month	

Research Publications:

Total Publications: 11

International Journals: 06, National Journals:01, International Conference: 03 National Conference:01

Publishing papers in International Journals

- J.G. Solanki and B. Ghulbhile (2010) “seismic performance of moment resistance frames without knee bracing” 14th symposium on earthquake engineering, indian institute of roorkee, 17-19 Dec pages 1054-1055.
- J. G. Solanki and G. Borkar (2012). “Evaluation of Indian Seismic Design Code Provision.” Indian Society of Structural Engineers, 14 (3).
- Atul patil & J G Solanki, “Buckling Analysis of Cold Formed Steel Compression Members at Elevated Temperatures”, International Journal of Modern Engineering Research (IJMER), Volume 4, Issue 11 (Version 3) - November 2014, pages 53-58
- Gaikar Vaibhav & J G Solanki, “Stress Analysis of Precast Prestressed Concrete Beams During Lifting”, International Journal of Modern Engineering Research (IJMER), Vol. 4 | Iss.9, Sept. 2014, pages 61-68.
- Prasanna Joshi and J G Solanki, “Computational Modelling of Indian Standard Extended Endplate Moment Connection”, International Journal of Advanced Technology in Engineering and Science Volume No.02, Issue No. 07, July 2014 ISSN (online): 2348 – 7550, pages 417-424.

- Vaibhav Dahiwelkar & J G Solanki, “Behaviour of Jacket Platform Subjected to Ship Impact” International Journal of Engineering Research and Technology in Engineering Volume No.04, Issue No. 08, August 2015 ISSN : 2278-0181, pages 343-345.
- J. G. Solanki and S. Ghosh, “Statistical characterization of expanded metal mesh strand, to propose correlation between properties of parent material and finish product EMM IOP Conference Series Materials Science and Engineering 652:012008 October 2019

Presenting papers / participating in International conference: (details of column no)

- M. Hussain and J G Solanki, (1999) “Environmental Aspect of Engg. Practice” in national conference at Pusad, 23-24th Nov. 1999
- J.G. Solanki and B. Ghulbhile (2010) “Seismic performance of moment resistance frames without knee bracing” 14th symposium on earthquake engineering, Indian Institute of Roorkee, 17-19 Dec 2010, pages 1045-1055.
- Ketki Tamhankar and J. G. Solanki (2014) “ Development of Analytical Fragility Curves for G+11 RC Building” 15th Symposium on Earthquake Engineering, Indian Institute of Roorkee, 11-13 Dec 2014, pages 1049-1055.
- J. G. Solanki and S. Ghosh, “Statistical characterization of expanded metal mesh strand, to propose correlation between properties of parent material and finish product EMM” , 4th ICCEMS, Bangkok, Thailand, 17 to 19 May 2019
- Participated in International Geotechnical Engineering Conference on “Sustainability in Geotechnical Engineering practice and related urban issues held on 23-24 Sept. 2016, Mumbai, India.
- Participated in DFI India workshop and Conference on Deep Foundation Technologist for infrastructure development in India on 14-16 Nov.2013 at IIT Bombay
- Participated in National workshop on “Non Destructive Evaluation of structures “ 8th and 9th March 2013 jointly organized by ASTR, BARC and ISNT at BARC
- Participated in One Day Seminar and Panel Discussion on Geotechnical Infrastructure Engineering And Equipment Technology (GIEET-2014) on Saturday, 27th September 2014, Savitribai Phule Auditorium, Ground Floor, Main Building, VJTI, Mumbai

Experience to Guide Ph.D Students: Total Awarded : 13:, In-progress 04			
Sr. No.	Student	Thesis title	Ph.D. Awarded
1	Mr. Bhushan Raishinghani	Structural Health Monitoring of Long span Bridges	---

Number of M.Tech Dissertations Guided :

Sr. No.	Name of Student	Dissertation Topic
Academic Year 2008-09		
	Prashant Chitupe	Ultimate strength evaluation of rcc beam strengthened by fiber wrap.
	Pawar Lalit B.	Theoretical analysis & design of post-tension slab.
	Deshmukh Vinayak H.	Study and use of fiber wrap for strengthening of rcc slab.
Academic Year 2009-10		
	Gulbhile Balaji H	analysis of moment resisting frame with knee bracing
	Jadhav Mahendra	analysis of steel plate shear wall”
	Kiran Parmar	time history analysis of high rise steel building with rigid and semi – rigid connections
	Amol Patil	Analysis of structure subjected to blast load
Academic Year 2010-11		
	Rahul Kamble	analysis of steel plate shear wall
	Yadav Kamble	comparison of seismic performance of steel moment resisting frame & steel braced frame through incremental dynamic analysis & pushover analysis
	Pradip Nikam	Analysis of moment resisting frame with knee bracing
	Ashwin Gadhe	Experimental studies of fly ash bricks
	Bhavin Prajapati	Capacity base design of tall RCC Building
	Sushilkumar Gaikwad	Strengthening of RCC beam by using FRPC- some studies
	Pranay Wasnik	Lab manual on ANSYS software for structural problems
Academic Year 2011-12		
	Pallavi Vhella	performance of shear wall – diaphragm connection under cyclic loading
	Pipalia Vivek Rajesh	analysis of floor diaphragm in multi – storeyed reinforced concrete building
	Gaurav Borkar	limitations of Indian seismic design codes provisions
Academic Year 2012-13		
	Ramesh Mali	parametric study for lateral torsional buckling of cantilever and overhanging beams

	Ketki Tamhankar	Development of analytical fragility curves for G+11 storied building
Academic Year 2013-14		
	Prassana Joshi	Standardization of extended end plate moment connection.
	Atul Patil	Buckling Analysis of cold formed steel compression member at elevated temperatures
	Vaibhav Gaiker	Stress Analysis of Precast prestressed Beams during Transportation
Academic Year 2014-15		
	Vaibhav Daiwelkar	Behaviour of jacket platform under ship impact
	Pravinkumar Meshram	Fatigue analysis of multiplaner tubular joint used in offshore structures
Academic Year 2015-16		
	Ankur Kumar	To study the effect of uneven settlement on high-rise building
Academic Year 2020-21		
	Parag Sancheti	Use of Stainless steel as Reinforcement in Costal Region
	Pankaj Naik	Concrete filled steel tubular (CFST) Column in composite structures
	Vikrant Ambadekar	An Investigation Of Overstrength Factor And Ductility Factor Of Irregular Torsion Dominant Building
	Rajesh Singh	Repair And Rehabilitation Of Structures
	Shubham Develekar	Retrofitting of RC beams using CFRP
Academic Year 2021-22		
	Amrut Rameshkumar Bhatt	Evaluation Of Response Reduction Factor By Pushover Analysis On RCC Elevated Water Tanks
	Rajat Dinkar Bhoir	Analysis Of RCC Element Subjected To Corrosion Using Finite Element Approach
	Kailas Ramdas Parab	Analysis Of Torsional Effect On Tall Structure Using Cracked And Uncracked Sectional Properties With Torsional

		Irregularity
	Zunje Shubham Manohar	Reduction In Torsional Response Of A Multi Storied RCC Building, Subjected To Seismic Forces, Using Fluid Viscous Dampers
Academic Year 2022-23		
	Gauri Prakash Kadam	Comparative study of RC, PSC, and STEEL skew ridge girder on numerical model
	Sneha Pandurang Bhagat	Progressive collapse resistance by post tensioned concrete beam column assembly under middle column removal scenario
	Harshali sharad Suryawanshi	Seismic analysis of RC framed stepback and stepback-setback configuration on sloping ground.
	Ankita Vasudev Patharwat	3D Finite element analysis of circular footing of bridge pier supported on rock
Academic Year 2023-24		
	Aditya Pawar	Horizontal curve post tension bridge
	Adnan Shaik	Analyzing the performance, efficiency and design of post tensioned flat slab of commercial building in seismic zone-III
	Nishigandha Pawar	Analysis of uplift capacity of multistage horizontal Anchor Plate in cohesionless soil.
	Aniket Kasliwal	Structural analysis of piled raft foundation in soft soil for high rise structure.
	Vikramsingh Rathod	Seismic Analysis And Structural Evaluation Of Twisted Building Design.

b) Fellow/Sr. Member/Member of Professional Bodies

Membership of Technical Societies:			
	Indian	Membership no.	
1	Indian Geotechnical Society	1194	Life Membership

Details of Experience of Working with International Bodies, Participation in Workshops, Seminars, and Conferences held Outside Country:			
SN	Activity	Place	Year
International Conferences: Attended/Presented the Research Papers			
1	4th ICCEMS,	Bangkok, Thailand,	17 to 19 May 2019
International Conferences: Attended/Presented the Research Papers by Co-Authors			
1	14th symposium on earthquake engineering,	Indian Institute of Roorkee	17-19 Dec 2010, pages 1045-1055.
2	15th Symposium on Earthquake Engineering,	Indian Institute of Roorkee,	11-13 Dec 2014, pages 1049-1055

Workshop/STTP/FDP Organized			
1	one week Faculty development program under TEQIP-II “Form Work and False Work Design”	VJTI Mumbai,	28 march to 1 st April 2013
2	Four week finishing school on “Soft Skill Development and Software Application in Structural Engineering” for UG and PG Structural Engineering Students from	VJTI Mumbai,	18 th May 2015 to 12 th June 2015, under TEQIP-II
Workshop/STTP/FDP Attended			
1	Participated in one week seminar on “Topics Related to Engg. Education” at.	COET Jalgaon	11-17 Aug. 1998
2	seminar on “Quality Engg. Education”	COET Jalgaon	26 th Dec. 1998
3	“Environmental Aspect of Engg. Practice” in national conference	Pusad,	23-24 th Nov. 1999
4	Participated in seminar on “Orientation	COET Bambori	11 th to 13 th July 2003

	Program For Engg. College Teachers”	Jalgaon	
5	AICTE ISTE Sponsored two week STTP on “Introduction to Office XP and Comp. Application”	GB Pant University	6-17Dec. 2004
6	Participated in QIP Sponsored one week SSTP on “Advance In Testing of Cement and Concrete”	IIT Kanpur,	13 th – 19 th Feb 2005
7	ISTE Approved one week STTP on “Analysis and Design of Earthquake Resistant structures”	Saraswati College of Engg. Kharghar	5 th Jan. to 9 th Jan. 2009
8	one week Faculty development program under TEQIP “Built People to Built Institute”	VJTI Mumbai	30 th Jan. 2009 to 21 st march 2009
9	One week STTP program under CE&QIP “Risk Assessment and Management in Geotechnical Engineering”	IIT Bombay	March 14-18, 2011
10	One week STTP program under AICTE QIP “ Finite Element Method and Application in civil Engineering”	IIT Bombay	Aug. 16-20, 2011
11	one week STTP program under CE&QIP “Advance Foundation Engineering”	IIT Bombay.	June 20-24, 2011
12	one week Faculty development program under TEQIP-II “performance based design of structures”	VJTI Mumbai	22 nd to 26 th March 2012
13	two week ISTE work Shop on “Introduction to Research Methodologies”	IIT Bombay	25 th June to 4 th July 2012.
14	one week Faculty development program under TEQIP-II “Form Work and False Work Design”	VJTI Mumbai	28 march to 1 st April 2013
15	Participated in one week Faculty development program under TEQIP-II “Recent Trend in Finite Element Method and Introduction to Boundary Element and Mesh-free Method”	VJTI Mumbai,	18 th Feb. to 22 nd Feb. 2013.
16	TEQIP-II spon. PhD. colloquium for	VJTI & IIIE	15 th and 16 th April

	research squalor	Mumbai	2013.
17	conference on deep Foundation Technologies For Infrastructure Development In India,	Mumbai	Nov. 14-15-16, 2013
18	Two week Faculty development program under TEQIP-II “Resent trend in performance based design of structures”	VJTI Mumbai,	3 rd to 14 th June 2013.
19	one week Faculty development program under QIP “ Geosynthetics: Manufacturing, Application and Analysis”	VJTI Mumbai	6 th Jan. to 10 th Jan. 2014.
20	one week FDP on “Matrix Method of Structural Analysis” organized by Structural Engineering Department, under QIP	VJTI, Mumbai	23 rd January to 28 th January 2018,
21	one week FDP on “Characterization and Analysis of Material” organized by, under TEQIP-III.	Textile Manufacturing Dept. VJTI, Mumbai	23 rd to 28 th December 2019
22	one week FDP on “Advanced Data Analysis and Decision Making” organized by Faculty Development Centre (Geo Informatics, Spatial Computing and Data Analytics) , sponsored by MHRD.	Department of Mechanical Engg. Production Engg. Computer Engg. Information Technology and MCA	30 th December 2019 - 03 rd January 2020