

T G SITHARAM



1. General Information of Applicant

Name (In Capital Letters)	Prof. T G SITHARAM
Date of Birth (Day/Month/Year)	17/05/1961 Age: 64 years
Correspondence Address	Prof. T G SITHARAM ; GF, Tower 8, TYPE 7, NBCC Towers East Kidwai Nagar; Delhi - 110023
Phone No.	Mobile No. : 9448273751; Landline No. : 080-23227867
Email	proftgs@gmail.com; sitharam@iisc.ac.in web: https://tgsitharam.com/
Domicile / Place of Birth	THALLAK, Chitradurga (dist), Karnataka
Caste Category	GENERAL

2. Present Position

a.	Designation	Professor (HAG Scale), IISc, Bangalore
b.	Organization	Indian Institute of Science, Bengaluru
c.	Pay Scale	Rs 2,24,100/= (Basic Pay) - Level 15 HAG Scale
d.	Total Experience (In Years and Months)	Since 28, June 2006 (professor) – Present 19 years 9 months

3. Details of experience possessed (in the past)

S.No.	Post held	Pay Scale	Organisation	Nature of duties	Experience (In Years and Months)
1.	Chairman AICTE	Rs 2,25,000	AICTE	Administrative / Head - Regulator	3 years (Pay level 17)
2.	Director, IIT Guwahati	Rs 2,25000	IIT Guwahati and Professor Civil Engg, IITG	Administrative, Research and Innovation	3 years and 6 months (Pay level 17)

3,	Professor, IISc	Rs 2,24,100 (basic pay) Placement Level 15 (HAG) 1.8.16	Indian Institute of Science (IISc) Bengaluru	Research, teaching and Innovation 28, June 2006 to present	19 years 9 months
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4. Educational Qualification (In chronological order from latest to Graduation level)

S.No.	Qualification	University/ Institution	Year	Subject(s) / Topic(s)	% of marks obtained	Distinctions etc.
1	Post Doctoral	University of Texas, Austin, USA	1992- 1994	Geomechanics	Research	
2	Ph.D	University of Waterloo, Canada	1991	Civil Engineering	Research Degree	
3	M.Sc. (Engg.)	Indian Institute of Science	1986	Civil Engineering (Geotechnical Div.)	CGPA 7.13/8.0	Research degree
4	B.E.	Govt BDT College of engg, University of Mysore	1984	Civil Engineering	83.5%	I class with distinction
5	D.Sc. (honoria Causa)	JNTU, Hyderabad & VEL tech Deemed Univ	2025 Nov 2023	Geotechnical and Infrastructure Engg		For exceptional contributions

5. Administrative Experience/Post(s) & responsibilities held

S. No.	Post	Organisation/ University	Duration		Experience (Years, Months)
			From (Date)	To (Date)	
1	Chairman	AICTE	Dec 2022	20 Dec 2025	3 years
1a.	Member	Indian Institute of Science Council and Court	Dec 2022	Dec 2025	3 years
2	Director	IIT Guwahati (also served as BOG Chairman, Finance committee Chairman for more than 1 year, Senate Chairman for 3.5 years)	July 2019	Dec 2022	3 years 6 months
2a.	Director	CIT Kokrajhar, Assam	>1.5 years		1 year 6 months

2b.	BOG Chairman	CIT Kokrajhar, Assam NERIST, Arunachala Pradesh - Chairman, BOM	>1 year		About an 1 year
3.	Chairman	AICTE South-western Regional Committee, Bangalore	Mar 2016	Present	2 years 6 months
4.	Dean	SVYASA University (Deemed to be University under the UGC Act 1956)	Jan 2015	present	3 years 6 months
5.	Head of Department	Center for Infrastructure, Sustainable Transport and Urban Planning(CiSTUP)	Jan 2009	April 2014	5 years 4 months
6.	Professor- in-charge & Wardenship etc.	1. Coordinator, Curriculum Development Cell, Center for Continuing Education (CCE), IISc 2. Programme committee member, Digital Information Services Center (DISC)	2006 1998	2009 1999	3 years 1 years
7.	Member of Academic Council/ Senate	1. Indian Institute of Science Bangalore 2. SVYASA University Bangalore 3. Anna University, Coimbatore 4. Dr. BR Ambedkar University, Aurangabad 5. Member of Engineering Faculty, Bangalore University, Bangalore, Karnataka	2006 2015 2012 2018 2018	2026 2018 2015 2021 2019	18Years 3 years 3 years 3 months (3 years term) 4 months (2 years term)
6.	Member of Executive Council /BoG	1. Member, Executive Council and Governing Council of All India Council for Technical Education (AICTE), Govt of India, New Delhi. 2. Member of National Science Museums Society (NCSM), Govt of India 3. Governing body of NCSM 4. New Horizon College of Engineering 5. Bagalokote College of Engineering 6. SVYASA University – Management council and Academic council 7. Chairman, Executive Committee of Visvesvaraya Industrial & Technological Museum, Bangalore 8. Visitor's nominee for the selection of Professors in the Department of Architecture & Planning at IIT Roorkee 9. Visitor's nominee for the selection of Professors at IIT (ISM) Dhanbad, IIM's 10. Visitor's nominee for the selection of Professors in the Department of Civil Engineering, IIT Guwahati	March 2018 June 2018 June 2018 Mar 2018 2015 Jan 2015 Aug 2018 2018 2017 2018	Dec 2025 2025 June 2019 June 2019 June 2019 Present	6 months (3 years term) 2 months (4 years term) 2 months (4 years term) 2 months (4 years term) 3 years 3 years 1 month (4 years term) 3 years term 3 years term 3 years term

8.	Member of Professional / Academic Bodies	<ol style="list-style-type: none"> 1. President, International Society for Coastal reservoir Research (IACRR) 2. Vice President of Indian Society for Earthquake Technology 3. Vice president, Indian Society for Earthquake Science 4. Trustee of Science Media Centre (SMC) 5. Fellow of Institution of Civil Engineers UK (FICE) 6. Fellow of Indian Geotechnical Society (IGS) 7. Fellow of Indian Society for Earthquake Technology (FISET) 8. Fellow of New york Academy of Sciences 9. Fellow of Institution of Engineers- India (FIE) 	<p>2017</p> <p>2015</p> <p>2015</p> <p>2016</p> <p>2018</p> <p>2009</p>		<p>3 years term</p> <p>2 years term</p> <p>2 years term</p> <p>4 years term</p>
9	Boards and Major contribution	<ul style="list-style-type: none"> • Chairman, IIT Guwahati research Park a section 8 company and Assam Advanced Healthcare Innovation Institute (AAHII) - a Research and Innovation Institute in the area of medical sciences which includes a 500- bedded 'Connected' Multi-Specialty Hospital spread over 12 Acre land in the existing IIT Guwahati campus • Memberships: SERB (2019-2022), IOE committee, NASSCOM Future Skills, DST, IITG Research Park, Anuvadini Foundation (section 8 Companies) • Member of Board of Governors/EC of Central Power Research Institute, Bureau of Indian Standards (BIS), NIT Meghalaya; NIT Tripura; IEST, Shibpur, Kolkata. •Member of many selection committees for directors, VC selections across CFTIs, IITs, NITs, IIM's and CSIR, NICMAR •Senior Advisor to the BRICS Chamber of Commerce & Industry 			

6. a) Academic/Teaching Experience & responsibilities (In chronological order)

S. No.	Post	Organisation/ University	Duration		Experience (in Years and Months)
			From (Date)	To (Date)	
1	Honorary Professor of Civil Engg	IIT Guwahati	Dec 22, 2022	Current	2 years 8 months
2	Professor	IIT Guwahati	July 2019	Dec 2022	3 year 6 months
3.	Professor	Indian Institute of Science	28-6-2006	01.July 2019	12 years 2 months
4.	Associate Professor	Indian Institute of Science	28.6.2000	28.6.2006	6 years 2 months
5.	Assistant Professor	Indian Institute of Science	28.6.1994	28.6.2000	6 years 2 months
6	Lecturer (Adjunct)	University of Waterloo, Canada	Oct 1991	April 1992	1 semester
7.	Research Scientist	University of Texas at Austin, USA	April,1992	June 1994	2 years

(b) Participation and contribution in relevant areas in higher education

	Organisation	Area of specialisation
Honorary Professor	University of Wollongong, AUS	Geomechanics and Sustainable water
Visiting Professor	Dalhousie University, Canada	Geomechanics (Teaching & Research)
Chairman	AICTE- SWRO, Bangalore; GC and EC of AICTE	Higher Education
Visiting Professor	Yamaguchi University Japan - 1 year (1999-2000)	Geotechnical Engineering (Teaching & Research)
Visiting Professor	University of Waterloo, Canada	Geotechnical Engineering (Teaching & Research)
Resource Person	i)Expert member of board of courses and studies – IIT (ISM) ii)Dayananda Sagar College of Institutions iii) Bagalkot college of Engineering, Karnataka	For M.Tech Geotechnical Engineering, Dept of Civil Engg Outcome based education TEQIP review – Level II and Level III
Others: William Mong Research fellow	University of Hongkong	Geotechnical Engineering (Teaching & Research)

(c) Involvement with formulation of academic programmes:

S. No.	Nomenclature of Innovative Academic Programmes formulated	Date of approval by Senate	Year of Introduction
1	5 new multidisciplinary centers and 5 new schools at IIT Guwahati	2019-2022	2020-2022
2	M Tech Infrastructure and Transportation Engineering – CiSTUP, IISc, Bangalore	2010	2010

(d) Important MoUs formulated for academic collaborations:

S. No.	MoUs formulated	Name of Agencies/Departments involved	Year of MoU
1	University of Wollongong, Australia	Civil Engineering, Coastal reservoirs,	2018
2	United Nations University, Tokyo, Japan	CiSTUP, IISc	2012
3	Curtin University, Australia	CiSTUP, IISc	2010

(e) Position of Chairs (held):

S. No.	Name of Chair	Name of Agencies/Departments involved	Year of Holding the Chair
	KSIIDC Chair Professor in the area of Energy and Mechanical Sciences,	Mechanical Sciences division, Indian Institute of Science, Bangalore Karnataka State Small Industries Development Corporation Ltd (KSSIDC)	2015-2018

7. International academic Exposure, if any

S. No.	Post/ Assignment	Organisation/ Institute	Area of Assignment	Duration		
				From (Date)	To (Date)	Period
1.	Research Scientist	University of Texas at Austin, USA	Research Scientist in Deep Geomechanics	April 1992	June 1994	2 years 2 months
2	Visiting Professor	Dalhousie University, Canada	Teaching UG courses and Research in Geomechanics	April 1997	July 1997	4 months
3	Visiting Professor	Yamaguchi University Japan	Rock Mechanics (Teaching & Research)	Oct 1999	Sep 2000	1 year
4	Visiting Professor	University of Waterloo, Canada	Geotechnical Engg. (Teaching & Research)	March 2003	July 2003	4 months
5	William Mong Research fellow	University of Hongkong	Geotechnical Engineering (Research)	2011	2011	1 month

8. Scholarly achievements:

a. Contribution to Journals and Books: 500+ papers and 20 books

	Details
Books Authored	<p>Selected books which are published by Springer, CRC press, Taylor and Francis, Elsevier etc. are listed below.</p> <p>(i) Sitharam T.G. and Kolathayar S. Preparing for Earthquakes: Lessons for India. DOI: 10.1007/978-3-319-59522-1, ISBN: 978-3-319-59521-4, Springer International Publishing, 2017.</p> <p>(ii) Sitharam T.G., Naveen James and Kolathayar S. Comprehensive Seismic Zonation Schemes for Regions at different Scales. ISBN 978-3-319-89659-5 Springer International Publishing, 2018.</p> <p>(iii) Kolathayar S and Sitharam TG. Earthquake Hazard and Risk Assessment in India and Adjacent Regions. ISBN 978-1-138-30923-4, CRC Press / Balkema, Taylor & Francis Group, 2018.</p> <p>(iv) Sitharam TG and Vinod JS. Recent Challenges and Advances in Geotechnical Earthquake Engineering (Advances in Environmental Engineering and Green Technologies), IGI Global USA, ISBN: 978-1522569480, 2018.</p> <p>(v) Sitharam TG and Govindaraju L, Elasticity for Engineers, ISBN: 978-9385909344, IK International, 2016.</p> <p>(vi) Sitharam TG, Roger Falconer, Shuqing Yang, Muttucumaru Sivakumar, Brian Jones, Sreevals Kolathayar, Lim Sinpoh. Sustainable Water Resource Development using Coastal Reservoirs. Elsevier Publishing, 2019 (Upcoming).</p> <p>(vii) Sitharam TG, Hegde A and Kolathayar S. Handbook on Geocell Technology, Springer Transactions in Civil and Environmental Engineering, 2019</p>
Editor in Chief	<p>(i) Editor in Chief, Springer Transactions in Civil and Environmental Engineering (Book Series), ISSN: 2363-7633.</p> <p>(ii) Chief Editor of International Journal of Geotechnical Earthquake Engineering (IJGEE) (since 2010- 15 volumes published by IGI Global, Pennsylvania, USA) and</p> <p>(iii) Chief Editor of Journal of Sustainable Urbanization, planning and progress (JSUPP) from UDS publishers.</p>

Peer reviewer for	Canadian Geotechnical Journal, Bulletin of seismological society of America, Geotechnique, Soils and Foundations, Geotechnique Letters, International Journal of Geomechanics (ASCE) ASCE Journal of Geotechnical and Geoenvironmental Engineering Soil Dynamics and Earthquake Engineering Natural Hazards (Springer), experiments in Fluids, Geosynthetic International International Journal of Rock Mechanics and Mining Sciences, Ground Improvement. Geotextiles and Geomembranes, Physical modelling in Geotechnics. <i>And many other journals of international repute...</i>
Member of the Advisory board	(i) Geotechnical Letters (Editorial Board Member) (ii) ASCE Journal of Materials in Civil Engineering (Associate Editor) (iii) Electronic Journal of Geotechnical Engineering (Guest Editor and Editorial Board Member); Disaster Advances (Editor); (iv) Technical committees of ISSMGE; Member of ATC4 on Disaster

A. Publications: Scholarly publications in recognised professional and/or academic journals: Total Publication: 520; Citations: 13107, h-index: 65, i10 index: 206)

Sl. No.	Details	Entire period 1986 - 2025
1	Journal Publications	200
2	Geotechnical Special Publications	7
3	Books	12
4	Edited Proceedings and Journals	14
5	Book Chapters	8
6	Conference Papers	280
Total Publications		521

Prof Sitharam has secured 193 rank in India and 11250 in the world for the category in engineering and technology, and, in earth science his rank is 6 in India and 956 in the world-AD scientific Index. AD scientific Index analyses data from 2448388 scientists and 24477 institutions across 13 major academic fields and 197 disciplines covering 221 countries, making it one of the most extensive sample based studies in its field. **Appeared in Top 2% scientists listed by Stanford consecutively for the last six years** Ranked 6th in Earth Sciences in India and 193rd overall in world (AD Scientific Index). Guided 40+ PhDs, 35 masters Students, 25+ post-doctoral students, and several 1000 of students through continuing education.

Recent Books on AI and Education:

1. The road Ahead 2.0, 750 pages, Education world, 2024 by prof. T G Sitharam and Yogesh Kochar, ISBN 978-93-341-9461-6
2. Unlocking the potential of Technical education to shape India’s Future – Fueling Innovation, Growth and Inclusion by Prof. T G Sitharam, ISBN 978-93-6194-306-5.
3. Book “Empowering Minds the Transformation of IIT Guwahati” by Prof. T. G. Sitharam
Prof. T. G. Sitharam is a distinguished academic leader, institution builder, and policy expert with over 35 years of transformative contributions to India’s technical education, skilling, innovation, Contribution to National projects, and research ecosystem. With deep technical roots at IISc Bangalore and IIT Guwahati and international academic exposure, Prof. Sitharam uniquely combines policy vision, operational excellence, and people-centric governance. His track record positions him as a transformative leader in India and globally—bridging policy with execution, and innovation with impact.

B. List of articles in popular magazines or newspapers (Recent ones are listed at <https://tgsitharam.com> - More than 100 articles on NEP 2020, Education and new ways of learning has appeared. Prior to July 2019, list is given below:

S. No.	Date	Title	Name of Magazines/Newspapers
1	August 2017, Dec 2017	IACRR Connect	Newsletter of International Association for Coastal Reservoir Research-3issues
2	March 2018	Envisaging a Freshwater Reservoir in the Arabian Sea to impound Flood waters of Netravati River	Hydrolink, IAHR
3	March 2018	Thanneermukkom salt water barrier to prevent salt water intrusion: An overview of Kuttanadu Low Land Development	Hydrolink, IAHR
4	Summer 2015	ENERGY POLICY: Driving India's Next Wave of Urbanization, Vol 3 issue 2	Cornerstone: official journal of the world coal industry
5	8 August 2017	Reservoir in sea to end Bengaluru's drinking water problems?	Times of India
6	31 Aug 2017	Build reservoir in Mangaluru to meet Bengaluru's water needs: IISc experts	The Indian Express
7	14 Nov 2017	Messy roads? Bengaluru municipal corporation conjures up pod taxi	The Economic Times
8	22 July 2017	BBMP to try new technology to smoothen roads	The Hindu
9	9 Feb 2017	Expert against building desalination plant in city	The Hindu
10	24 August 2016	Stop, there's a speed-breaker ahead	The Hindu
11	12 July	How can we make the public transport system fully sustainable?	Research Matters
12	21 Jan 2017	All hopes on a suburban rail system	The Hindu
13	27 Nov 2013	Time ripe for suburban rail in Bangalore	The Hindu

C. Participation and scholarly presentation in conferences:

C.I National : *As a keynote speaker and invited speaker, more than 50 participations in National Conferences. More than 150 Convocations, Graduation ceremonies, Foundation days Chief guest, Many educational conferences as Chief guest and/or Guest of Honour (<https://tgsitharam.com/> - all speeches, interviews, convocation addresses are enclosed)*

C.II International : *As a keynote speaker and invited speaker, more than 25 participations in International Conferences.*

D. Participation and contribution in National/International Form in the area of your academic and Professional expertise

		Number (s)
Plenary Lectures/Invited Talks	International	Above 45
	National	Above 300
Congresses attended	International	25
	National	30
Examination etc.	International	02 (PhD)
	National	25 (PhD)
Others (Specify)	International Delegations	05 (Germany,Japan.)
	National	

Lead India delegation to NAFSA conference to USA in 2023 (Washington DC) and 2025 (Sandiago, CA) with 30+ universities (largest Higher education conference in the world). Lead a team of Vice chancellors to Taiwan in the area of Semiconductors study tour.

7. Research Projects: (More than 25 projects completed) – selected projects are given below.

S. No.	Client/Organisation's name	Nature of Project	Duration of Project	Amount of grant (Rupees)
1	IMPRINT II -MHRD	Impounding river flood waters along Dakshina Kannada Coast: A sustainable strategy for water resources development	3 years	1.99 crores
2	International project between India and Germany	Sense4Metro – Sensor based Security and Emergency management system for underground Metro systems during disaster events	3 years	1.25 crores
3	International project funded by European Union	Geohazards and Geomechanics – Exchange of students and faculty to EU universities	4 years	78,900 Euros
4	Ministry of Earth Sciences	Site Characterization of Indo-Gangetic Plains with Studies of Site Response and Liquefaction Hazards	3 years	46 Lakhs
5	Council of Scientific and Industrial research	Studies on The Influence of Blast Induced Seismic Wave Characteristics on The Safety of Surface Structures and Underground Opening In Joined Rock Mass	3 years	17 Lakhs
6	Department of Science and Technology	On the Physics of Liquefaction of Sand; A Particulate Mechanics Approach Using Discrete Element Modeling	4 years	28.5 Lakhs

8. Consultancy experience: More than 125 projects completed- selected projects listed:

S. No.	Client/Organisation's name	Nature of Project	Duration of assignment
1	M/S AFCONS infrastructure Pvt Ltd	Slope stability analyses of Left and Right Abutments of Bridge no 44 across River Chenab	Jan 2005 to Jan 2020

2	National Mineral Development Corporation (NMDC)	Soil-nailing techniques, reinforced earth walls and slope stability analysis for structures of Bailadilla iron ore deposits	1997-2004 (5 projects)
3	Ministry of Defence Secunderabad	Geotechnical investigations for random test facility at RCI Hyderabad	Oct 2005- April 2006
4	Bharathiya Nabhikiya vidyut Nigam Ltd., Kalpakkam	Evaluation of sandy soil back fill in and around nuclear island building at PFBR project	March 2006- March 2007
5	National Aluminium Company	Red mud ponds and Ash pond design and expansion (10 projects)	1997-2018 (10 projects)
6	Shriram temple foundation	Ayodhya, UP	2020-2021

- Founded 3 startups; one scaled globally (150+ employees, presence in 4 countries).
- Director of 3 section 8 companies at IITG and AICTE

9. Honours/Awards & Fellowships for outstanding Work: Complete list of Award, Fellowships and memberships are mentioned

S. No.	Name of Award/Fellowship	Elected / Honorary Fellow	Awarded by	Year of Award
1	Sir M. Visvesvaraya Lifetime Achievement Award	Life time achievement Award	Govt of Karnataka	2023
2	IGS-Kueckelmann Award	Highest award for life time contributions	Indian Geotechnical Society	2015
3	Eminent Vibration Expert Award	from CVS -2025	Council of Vibration Specialists	2025
3	Amulya and Vimala Reddy Lecture award	Contributions towards sustainable development	Indian Institute of Science	2014
4	Prof. Gopal Ranjan Research Award	life time contributions in geotechnical engg	IIT Roorkee	2014
5	Sir C.V. Raman State Award for Young Scientists	In the area of engineering sciences	Govt of Karnataka	2002
6	S. P. Research Award	SAARC Countries	Shamsher Prakash Foundation, USA	1998
7	Fellow of Institution of Engineering – India & Eminent Engineer Award	Elected 39th National Convention of Civil Engineers	Institution of Engineers 17-18 October 2024 at Kochi	Sep 2006 Oct 2024
8	Fellow of Indian Geotechnical Society	Elected	Indian Geotechnical Society	1999
9	Fellow of Indian Society for Earthquake Technology	Elected	Indian Society for Earthquake Technology	2014

10. No. of Research Scholars successfully guided: (in addition, 25+ Postdoctoral students).

Name of Programme	Awarded (No.) (Under progress not to be Included)
Ph.D	40 (at IISc and IIT Guwahati)
Msc. (Engg.)	5

11. Strengths (in 100 words)

Visionary academic and government leader with 35+ years of pioneering contributions in technical education, skilling, research, innovation, and institutional governance. Proven expertise in driving large-scale reforms, public-private partnerships, and grassroots outreach, aligned with national priorities such as NEP 2020 and Vikasit Bharat. Architect of scalable, digital-first, and industry-integrated learning models. Spearheaded transformative initiatives across AICTE, IITs, and national projects, impacting millions. Led the creation of Center for excellence for Drones, AI, Cyber Security, IIC, R&D centers and other emerging technologies by Implementing large scale government schemes across the nation. Involved in prestigious national projects (in more than 150 consulting projects) and most importantly i).Ram Janmabhoomi ShriRam Temple foundation, ii).Chenab Bridge Slope stability and Foundation, iii) Seismic microzonation projects for city of Bangalore, Lucknow and NCR Delhi. iii),Design of Large tailing dams, Ash ponds, red mud ponds and water holding Dams. Created 3 startups at IISc and one of them has expanded to four countries with more than 150 personnel (Director, SGES Pvt Ltd, 2007-2019). As a talent catalyst, addressed more than a million students through graduation ceremonies, convocation addresses, NEP workshops, etc. as Chief guest/Guest of Honor and motivated several lakhs of young students on skilling, upskilling and reskilling with emphasis on future skills including AI, generative AI and Agentic AI. As Chairman of AICTE groomed, guided, and empowered teams and built leadership pipelines to achieve Vikasit Bharat goals. Chair, Human Capital working group, AI Impact summit 2026, Bharat Mandapam, 16-20 Feb 2026.

I, hereby, declare that all the statements/ particulars made/furnished in this application are true, complete and correct to the best of my knowledge and belief. I also declare and fully understand that in the event of any Information furnished being found false or incorrect at any stage, my application/candidature is liable to be summarily rejected at any stage and if I am already appointed, my Services are liable to be terminated without any notice from the post of Director as per Act/ Statutes etc. and other applicable rules.

Place: Delhi

Date: 11/03/2026



(Signature of the Applicant)