

CURRICULUM VITAE

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CAREER VISION

To enhance and fine tune my skills on teaching, research and consultancy and contribute to the development of students and healthy society.

EDUCATION

Program	Institution
Ph. D in Geotechnical Engineering	Indian Institute of Technology Madras and National University of Singapore (IITM-NUS)
M. Tech in Geotechnical Engineering	Indian Institute of Technology Madras, Chennai
B.E in Civil Engineering	Mepco Schlenk Engg College, Sivakasi (Affiliated to Anna University)

EMPLOYMENT

Employer	Position Held	Date of Joining	Date of Leaving
NITK, Surathkal	Assistant Professor	December 2019	Till date
BITS Pilani - Dubai Campus	Assistant Professor	July 2017	December 2019
NIT Andhrapradesh	Assistant Professor (Adhoc)	January 2017	May 2017
Dept of Civil Engg, IIT Madras	Senior Project Officer	April 2016	December 2016
Dept of Civil Engg, IIT Madras	Senior Project Officer	October 2015	April 2016

RESEARCH INTEREST

- Experimental Geotechniques
- Soft Clay Engineering.
- Ground Improvement.
- Physical Modelling (1-g and Centrifuge).
- Numerical Modelling
- Geosynthetics and its applications
- Sustainable Geotechniques
- Shallow Foundation

Sridhar Gangaputhiran

LIST OF PUBLICATIONS

INTERNATIONAL JOURNAL

1. **Raheena, M., G. Sridhar and R. G. Robinson**, (2019) Simplified Apparatus for CRS Consolidation Testing of Soils. *Geotechnical Testing Journal, ASTM*, **42**(3), 817-828. (SCI)
2. **Sridhar, G., R. G. Robinson and K. Rajagopal** (2018) Horizontal Coefficient of Consolidation from Inward and Outward Flow Tests. *Proceedings of the Institution of Civil Engineers - Ground Improvement* **171**(3), 159-166. (Scopus)
3. **Sridhar, G., R. G. Robinson and K. Rajagopal** (2016) Properties of Soil after Surcharge or Vacuum Preloading. *Proceedings of the Institution of Civil Engineers - Ground Improvement*, **169**(3), 217-230. (Scopus)
4. **Sridhar, G., R. G. Robinson, K. Rajagopal and R. Radhakrishnan** (2015) Comparative study on horizontal coefficient of consolidation determined using Rowe and conventional consolidation cell. *International Journal of Geotechnical Engineering*, **9**(4), 388-402. (Scopus)
5. **Sridhar, G. and R. G. Robinson** (2013) Flexible wall permeameter to measure the hydraulic conductivity of soils in horizontal direction. *Geotechnical Testing Journal, ASTM*, **36**(3), 442-447. (SCI)
6. **Sridhar, G. and R. G. Robinson** (2011) Determination of radial coefficient of consolidation using log t method. *International Journal of Geotechnical Engineering*, **5**(4), 373-381. (Scopus)

NATIONAL JOURNAL

1. **Raheena, M., G. Sridhar and R. G. Robinson**, (2019) Constant Rate of Strain Consolidation Testing using Conventional Fixed Ring Consolidation Cell. *Indian Geotechnical Journal*, **49**(2), 141-150. (Scopus)
2. **Ganesh Kumar, S., G. Sridhar, R. Radhakrishnan, R. G. Robinson and K. Rajagopal** (2015) A case study of vacuum consolidation of soft clay deposit. *Indian Geotechnical Journal*, **45**(1), 51-61. (Scopus)

INTERNATIONAL AND NATIONAL CONFERENCE

1. **Kasyap Vasudevan, A S and Sridhar, G, (2021)**. Finite Element Modelling of Laboratory One Dimensional Consolidation of Soft Clays. *Indian Geotechnical Conference- Trichy*. (Scopus)
2. **Athira, S and Sridhar, G, (2021)**. A Critical Review on Potential Use of Iron Ore Tailings as Backfill Material. *Indian Geotechnical Conference- Trichy*. (Scopus)
3. **Reshma, P R and Sridhar, G, (2021)**. Numerical Modelling of Mechanically Stabilized Earth Walls for Slope Protection. *Virtual Conference on Disaster Risk Reduction (VCDRR 2021)*. (Scopus)
4. **Sridhar, G, (2020)**. Numerical Modeling of Centrifuge Experiment on Vacuum Consolidation of Soft Clay. *Advances in Geo-Science and Geo-Structures – Jamshedpur*. (Scopus)
5. **Sridhar, G and R. G. Robinson, (2010)**. Strength and Compressibility behaviour of Soft Clay after Vacuum Preloading. *Indian Geotechnical Conference- Bombay, Vol. II, Theme-8*.
6. **Sridhar, G. and Veena, U (2013)**. Pneumatic Consolidometer for Testing Large Size Consolidation Specimen, *4IYGEC*, 17-18 May, Chennai, 17-20.

RESEARCH GRANT

Title	Funding Agency	Amount, Rs	Duration
New resilient breakwater for safety of port and Harbour against Tsunami (CO-PI)	Ministry of Ports, Shipping and Waterways	45.0 lakhs	3 years
Numerical Modelling of Surcharge Preloading with Vertical Drains. (PI)	BITS Pilani, under Research Initiation Grant	4,00,000	2 years

INDUSTRIAL CONSULTANCY

Title	Funding Agency	Duration
Design of foundations, Soil and Rock Testing, Vetting of geotechnical investigation report for Boundary wall, Retaining Structures, airport runways, Ground Improvement measures for blast resistant wall, Non-Destructive Testing of Raw Mill Foundation.	HPCL, MRPL, NMPA, Indian Coast Guard, Indian Air Force, Indian Railways, NHAI, Mangalore Corporation, Private Firms etc., Star Cements Co LLC, Dubai	(2019 – till date)

LABORATORY DEVELOPMENT

- Established New Geotechnical and Concrete Laboratory at BITS Pilani, Dubai Campus. Contributions include identification of equipment's for UG courses, short listing of quotation, planning and development of laboratory space, location and other facilities.

COURSES TAUGHT (PG)

- Advanced Geomechanics
- Shallow Foundation
- Finite Element Method for Geotechnical Engineers
- Critical State Soil Mechanics
- Computational Lab for Geotechnical Engineers

COURSES TAUGHT (UG)

- Soil Mechanics – Theory and Laboratory
- Foundation Engineering
- Civil Engineering Materials – Theory and Laboratory
- Engineering Mechanics
- Engineering Graphics.

ADMINISTRATIVE RESPONSIBILITIES

- Faculty Advisor** (2021-2023). MTech Geotechnical Engineering- NITK.
- Laboratory In-charge** (2021-2023). Advanced Geotechnical Engineering Laboratory- NITK.
- Coordinator** (2020-2023). Analytics, Accreditation, and Ranking Systems - NITK
- Institute Library Committee member** (2018). BITS Pilani - Dubai Campus.
- Convener - Department Research Committee** (2018-2019). BITS Pilani - Dubai Campus.

PH. D GUIDANCE

- Athira, S.** Utilization of Iron Ore Tailings as Structural Fill Material. (Under progress)
- Babita Sah** Experimental and Numerical Studies on Offshore Wind Turbine Monopile Foundation. (Under progress)

MS GUIDANCE

- Mahima S** Analytical, Numerical and Field Studies on Allowable Bearing Pressure of Shallow Foundation (2022).
- Annapurna Basayya Balulmath** Utilization of Waste Foundry Sand in Geotechnical and Pavement Applications. (Under progress)

MAJOR PROJECT GUIDANCE (PG)

- **Durgam Mahesh** (2022). Numerical Modelling of Smear Effect in Preloading Projects with Prefabricated Vertical Drains
- **Abhijith Kumar** (2022). Numerical Modelling of Soil Slope Stabilized by Soil Nailing, Gabion Wall and Geosynthetics.
- **Akshay Kumar Singh** (2022). Numerical Modelling of Earthen Dam.
- **A S Kasyap Vasudevan** (2021). Numerical Modelling of Radial Consolidation in Soft Clays.
- **Reshma P R** (2021). Numerical Modelling of Mechanically Stabilized Earth Walls.

OUTREACH ACTIVITIES

- Reviewer of Journals such as Indian Geotechnical Journal, ASTM - Journal of Testing and Evaluation, Proceedings of the Institution of Civil Engineers - Ground Improvement, Int. Journal. of Geosynthetics and Ground Engineering, ScienceDirect - Geotextiles and Geomembranes.

SCHOLASTIC ACHIEVEMENTS

- Awarded **Silver Medal for 30th Rank in B.E** out of 1597 students from Colleges Affiliated to Anna University (Academic year 2004-2008).
- Secured **All India Rank 144 in GATE-2008**.
- Awarded **Rajinikant Gandhi Memorial Award - Silver Medal** for the best academic record in M. Tech Geotechnical Engineering, Batch 2008-2010.
- **IGS-Mr. H.C. Verma Diamond Jubilee Award** (2015) for "Innovative Instrument Design" for the paper entitled "Flexible Wall Permeameter to Measure the Coefficient of Permeability in Horizontal Direction" published in Geotechnical Testing Journal, ASTM.
- **IGS-AIMIL Biannual Award** for the Best Paper (2016) titled " A Case Study of Vacuum Consolidation of Soft Clay Deposit" Published in the Indian Geotechnical.
- **IGS-Baroda Chapter Young Geotechnical Engineer Award** (2018) for the Best Paper on Ground Improvement (Paper titled "Properties of Soil after Surcharge or Vacuum Preloading".)
- **MHRD, Government of India and National University of Singapore (NUS) Research Scholarship** for pursuing Ph.D at IIT Madras and National University of Singapore (2010-2015).