



Education details

| | |
|----------------------|---|
| 04/2021- Till now | Ph.D.- Geotechnical Engineering National Institute of Technology, Trichy-015 |
| 09/2018- 09/2020 | ME-Soil Mechanics and Foundation Engineering College of Engineering Guindy, Chennai-25 CGPA-9.47 |
| 07/2013- 05/2017 | BE-Civil Engineering Velammal Engineering College, Chennai-66 CGPA-8.9 |
| 06/2012- 05/2013 | Higher Secondary Education Little Flower H S School, Kallakurichi-201 Percentage-92.3% |
| 06/2010- 05/2011 | Secondary School Education Little Flower H S School, Kallakurichi-201 Percentage-95.6% |

Academic Projects

- *Design of a Water treatment plant. (B.E)*
- *Stabilisation of expansive clay using $AlCl_3$ and Fly ash. (B.E)*
- *Performance evaluation of footings resting on dispersive soil. (M.E)*
- *Experimental investigation on quantification of unfrozen water content and pore ice induced stress in frozen soil (Ph.D.)*

Publications

- Karthigeyan, S. and Ramachandran, A., 2019. Strength and Compressibility Characteristics of Peat Soil. *International Journal of Engineering Research and Technology*, 8(12), pp.296-302.
- Karthigeyan, S. and Ramachandran, A., 2020. Physical and Engineering Properties of Oil-Contaminated Clay Soil. *International Journal of Engineering Research & Technology (IJERT)*, 9(5), pp.766-763.

Industrial Training

- One month training in **Veda Pile Foundation, Chennai**, regarding Pile construction and Pile load test- May 2019.

Achievements

- University rank holder in UG and PG Program.
- Second Prize in Paper presentation conducted by K.C.G College of Engineering in 2017.
- Endowment Award from CEG for securing first rank in PG.

NPTEL Courses

- Environmental Geotechnics- ELITE TOPPER with GOLD – 98/100
- Expansive soil- ELITE TOPPER with GOLD – 92/100
- Unsaturated soil mechanics – ELITE - 70/100
- Underground Space Technology – ELITE - 69/100

Work Experience

- 12-2025 to Present- Assistant Professor, University College of Engineering, BIT Campus – Anna University Tiruchirappalli.

Contact

Address

4, East Bazaar Street, Chinnasalem,
Kallakurichi 606201.

Phone No - 8754626354

E-mail - chandru8754@gmail.com

Linked in -

www.linkedin.com/in/ramachandran-arangadurai-439943258

Software Skills

- PLAXIS 3D
- L PILE
- AUTOCADD
- RISA 3D
- COMSOL Multiphysics

Area of Interest

- Geotechnical engineering
- Environmental Geotechnics
- Frozen Soil Engineering
- Unsaturated soil mechanics
- Geotechnical Instrumentation

Membership

- Lifetime Member in Indian Geotechnical Society (LM-5454)
- Lifetime Member in Indian Geotechnical Society Trichy Chapter

Personal Details

Date of Birth : 27-06-1996

Marital Status : Single

Nationality : Indian

Father's Name : Arangadurai A

Mother's Name : Sarasu A

Languages known : English, Tamil