

CURRICULUM VITAE

ARVINDH RAJ

Doctoral Research Scholar

Building Technology & Construction Management (BTCM) Division
Department of Civil Engineering, Indian Institute of Technology Madras,
Chennai – 600 036, India

Mobile No: +91 7299696699

E-mail: arvindhrajendran@gmail.com, ce25d005@smail.iitm.ac.in

LinkedIn: www.linkedin.com/in/arvindh-raj-rajendran-847a66141



EDUCATION

Ph.D. (Civil Engineering) – Part Time

Indian Institute of Technology Madras, Chennai, India, 600036

Research Topic: Design optimization and performance assessment of cathodic protection in reinforced concrete.

CGPA: 9.5/10

*July 2024-
Present*

M. Tech. (Structural Engineering)

National Institute of Technology, Tiruchirappalli, India, 620015

Project: Comparative study on performance of different grouts used to strengthen concrete

CGPA: 8.85

*July 2018 -
June 2020*

B. Tech (Civil Engineering)

Sri Sivasubramaniya Nadar College of Engineering, Chennai, India, 603110

Project: Comparative study on mechanical and durability properties of SCC and micro concrete for the use of strengthening of reinforced concrete.

Strengthening design of RC residential building for increased in live load with CFRP

CGPA: 7.61/10

*July 2013-
June 2016*

Diploma in Civil Engineering

Central Polytechnic College, Taramani, Chennai, India, 600113

Project: Comparative Study on durable and mechanical properties of conventional concrete with higher replacements of fly ash exceeding 35%

CGPA: 8.85/10

*June 2010-
July 2013*

WORK EXPERIENCE

Hitech Concrete Solutions Chennai Private Limited

Project Engineer

Aug 2016- March 2018

Hitech Civil Engineering Services (M) Private Limited

Director

July 2020 – Present

RESEARCH INTEREST

- Repair and Rehabilitation of Reinforced Concrete
- Corrosion of Reinforced Concrete
- Non-Destructive Testing of RC Structures

PAPER PUBLICATIONS

- Published a paper on "Influence of Sphaerius Bacteria on Mechanical Properties of Bagasse Ash Replaced Concrete" in International Journal of Science and Technology & Engineering - Volume 3 , Issue 12.
- Published a paper on "Comparative Study on the Strength and Durability Properties of M50 Grade Self Compacting Concrete with Micro Concrete" in International Journal of Advanced Scientific Research and Management - Volume 2 Issue 5, PP 46-52 May 2017.
- Published a paper on "Case Study on the Repair and Rehabilitation of G+3 Residential Apartment Located Near Sea Shore, Tamil Nadu, India" in Indian Journal of Science and Technology - Vol 10(26), DOI: 10.17485/ijst/2017/v10i26/115874, July 2017
- Presented a paper on "Safety Auditing and Rehabilitation of Distressed Salt Manufacturing Factory –A Case Study" at National Conference on Forensic Structural Engineering, VIT Chennai – March 12th 2016.

CERTIFICATIONS & INVLOEVMENTS

- Participant in two-day National Seminar on Design, Structural Challenges, Codes, Quality & HSE on Formwork and Scaffolding conducted by INSTRUCT - January 2018
- Certified with Professional education course on Concrete Evaluation and Corrosion Mitigation 2.0 by NACE certified trainer - Vector Corrosion Technologies - December 2017
- Participant in 71st RILEM Annual Week, International Conference on Advances in Construction Material and Systems held at Chennai - September 2017.
- Participant in International Conference and Exhibition on "Recent Developments in De-sign and Construction Techniques of Tall Structures" by ACCE - Bangalore - November 2016.
- Participant in "Advanced Course on Life Enhancement of RC Structural Components through Repair and Retrofit" conducted by CSIR - SERC - September 2016.
- Attended one day workshop on "Recent Advances in Concrete Technology" associated with Indian Concrete Institute - March 2014.
- Participated in National and State Snooker Championship (Ranking), BSFI, Kolkata, TNB-SA Chennai - July 2015, July 2014

INTERNSHIP AND TRAINING

L&T Heavy Civil Construction

June 2019-July 2019

SOFTWARE TECHNICAL SKILLS

STAAD Pro., AutoCAD, MS Office

REFERENCES

Dr. Radhakrishna G Pillai

Professor at Dept. of Civil Engg.,
Indian Institute of Technology Madras
Chennai, India- 600 036

E-mail id: pillai@civil.iitm.ac.in

Dr. K Baskar

Professor at Dept. of Civil Engg.,
National Institute of Technology, Tiruchirappalli
India, 620015

E-mail id : kbaskar@nitt.edu

Dr. R Senthil Kumar

Assistant Professor at Dept. of Civil Engg.,
National Institute of Technology, Tiruchirappalli
India, 620015

E-mail id : senthilr@nitt.edu