Dr. N. Anand's Profile

Dr. N. Anand, M.E, Ph.D.

Associate Professor

nanand@karunya.edu

Academic Background

Degree	Specialization	University	Year
Ph.D	Civil Engineering	Karunya University	2014
M.E.	Structural Engineering	Anna University	2005
B.E.	Civil Engineering	Bharatiyar University	2003

Research Interests

- Fire Resistance of Concrete/Steel/Composite Elements
- Failure Analysis and Structural Health Monitoring of Structures using Soft Computing Techniques
- Design and Development of Sustainable Concrete
- Non-destructive Testing and Evaluation

Experience Record

- Associate Professor, Karunya Institute of Technology and Sciences (2017-present)
- Assistant Professor, Karunya Institute of Technology and Sciences (2010-2017)
- Senior Design Engineer, Mott Mac Donald, Chennai
- Assistant Engineering Manager, Larsen and Toubro (EDRC), Chennai

Research Profiles

ORCID

Scopus Profile

Researcher ID

Research Projects

- Capacity based Standards for Concrete under Elevated Temperature, DST-SERB, Rs 20.28 Lakhs

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(2016-2019)

- Rejuvenation of Water Bodies and Rain Water Harvesting in Coimbatore City, AFPRO, Rs 4.5 Lakhs (2006-2007)

- Studies on Behaviour of Concrete under Elevated Temperatures, TNSCST (2015)

Awards

- Young Scientist (DST, SERB, 2016)
- Young Engineer (Institution of Engineers, 2017)
- Viswakarma Award (CIDC, NITI Aayog, 2018)

Research Guidance

Ph.D.: 2 Completed, 8 Ongoing

M.Tech: 45 Completed, 2 Ongoing

Summary of Publications

Journal Publications: 36

Conference Publications: 55

Scopus Citations: 120

Google Scholar Citations: 924

h-index: 6

Courses Taught

- Design of Steel Structures
- Design of Prestressed Concrete Structures
- Design of Precast Concrete Structures
- Computer Aided Structural Design
- Seismic Analysis and Design

Memberships in Professional Bodies

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- Indian Concrete Institute
- Institution of Engineers
- Registered Valuers Organisation (L&B)

Most Recent Publications

- Mathews et al. (2021). Bond strength of SCC Exposed to Elevated Temp. ICE Structures & Buildings.
- Andrushia et al. (2021). Deep Learning for Thermal Crack Detection. Advances in Structural Eng.
- Kiran et al. (2020). Nano-materials in Concrete. Journal of Adhesion Science and Tech.
- Thanaraj et al. (2020). Post-fire Damage & Modeling. Int. Journal of Damage Mechanics.
- Thanaraj et al. (2020). RC Beams under Fire. Journal of Building Engineering.
- Andrushia et al. (2020). Thermal Crack Detection via Ripplet Transform. Structural Control & Health Monitoring.

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