

MURUGESH.V

ASSOCIATE PROFESSOR



Date of birth
17-DEC-1980

Gender
MALE

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74,Textool Subramanian nagar
vilankuruchi road ganapathy
Coimbatore-641006,Tamilnadu

LANGUAGE :

English,Tamil

OBJECTIVE

Seeking a career to share my knowledge and experience with students and gain more experience in the education and teaching field.

SKILLS

CONFIDENT

COMMUNICATION

WORK EXPERIENCE

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY 2012 - Now
Associate Professor
10 Years 3 Months

RPG CONSTRUCTION 2006 - 2012
Project Manager
5 Yrs 11 Months

BALU ENGINEERING CONSULTANT 2001 - 2006
Assistant Engineer
4 Yrs 7 Months

EDUCATION

MANIPUR INTERNATIONAL STATE UNIVERSITY 2022-2024
Doctorate of Science -PDF

KARPAGAM ACADEMY OF HIGHER EDUCATION 2016 - 2020
PH.D- NOV 2020
Domain-Structural Engineering

KARPAGAM UNIVERSITY 2011 - 2013
M.E-Structural Engg- Gold Medalist
GPA-8.2

KUMARAGURU COLLEGE OF TECHNOLOGY 1997 - 2001
B.E-Civil Engineering - GPA-7.1

ACTIVITIES COLLEGE LEVEL

Controller of Examinations 2022 - NOW
College Overall In charge-Anna University

Additional Controller of Examinations 2024-NOW
End Semester Examination -Autonomous

INSTITUTE INNOVATION COUNCIL 2024-NOW

ALUMNI COORDINATOR 2016 - NOW

Overall In charge
Conducting Events Every Year

SMART INDIA HACKATHON 2016 - NOW

College Overall In charge
Innovation Events Every Year

J FINAGLES (TECHNICAL SYMPOSIUM) 2022 - NOW
College Overall In charge

Conducting Events Every Year

ECO CLUB 2018 - NOW

Department Overall In charge

ADMISSION COORDINATOR 2022 - 2024

DEPARTMENT LEVEL

Head of the Department	2022-NOW
Board of Studies Member -Erode sengunthar college	2024-Now
M.E Coordinator	2013-NOW
NAAC Coordiantor	2015-NOW
NBA Coordinator	2017-NOW
Events Coordinator (CONFERENCE, SYMPOSIUM)	2015-NOW
Membership Coordinator - ICI, MRTES, IEI, ASCE, ICE, NATIONAL POST DOCTORAL ASSOCIATION, ACI	

ACADEMIC LEVEL

Chief Anna University SQUAD	2022 2024
Question Paper Setter -NPR College Of Engineering and Technology, Agni College, Sengunthar college RVS college, Aditya College, Rathinam Technical Campus	
Chief Anna University Representative (AUR)	2014-NOW
Answer Key Setter - ANNA UNIVERSITY	2019
Question Paper Scrutiny- Nehru institute of Technology, Easa College of Engineering, Sengunthar college ,RVS college	2023
Question Paper Setter- Coimbatore Institute Of Engineering And Technology	2019

HONORS & AWARDS

Research Excellence Award - Institute Of Scholars	2021
Result Performance Award -	2012-NOW
MENTOR -NEC CHALLENGE, IIT BOMBAY	2025
FACULTY GUIDE- NIRAL THIRUVIZHA -RECEIVED Rs10000 grants	2025
Evaluator - Smart India Hackathon ,	2025
Aicte-Vikas Bharath Buildathon 2025- Mentoring for SSVM and SRSI school ,	2025
MENTOR for TN STARTUP - STUDENT RECEIVED STARTUP CARD	2024

TEACHING PERFORMANCE AWARD-

As Course Coordinator Produce Seven Rank Holders In M.E Structural Engineering	2013
As Course Coordinator Produce One Rank Holder In M.E Structural Engineering	2014
As Course Coordinator Produce One Rank Holder in M.E Structural Engineering	2015

INNOVATION

Received the MSME Incubation Center -JCT College	2024
Received IIC incubation center -	2024

Won 5th place in the National Innovation Challenge -M sand challenge -2024

Innovation Project selected in Coimbatore Science and Technology -2025

COURSES

SAR Data Processing &Its Applications-	2023
Principles of Management- Great Learning -	2022
Introduction To Climate Change And Human Rights-UNITAR-	2021
Renewable Energy –Asian Development Bank Institute (ADBI) -	2021
Climate Change and Sovereign Risk- ADBI Institute	2021
Remote Sensing & GIs Technology And Applications For University Teachers- ISRO	2020
Geospatial inputs for Master Plan Formulation- ISRO	2020
Master In Personnel And Professional Growth -Charles Strut University-Australia	2020
Teaching By Design-Universiti Sains-Malaysia	2020
NPTEL Courses-Advanced Topics In Science And Technology Of Concrete	2022
NPTEL Courses -Geo Technical Engineering	2023
NPTEL Courses-Structural Dynamics	2019
NPTEL COURSES-Advanced Topics In Science	2018
NPTEL COURSES -Repair and Restoration of structures	2024
NPTEL Courses -Geo Technical Engineering	2024

JOURNALS

1. Experimental Investigation On Wha On Replacement Of Concrete 2017
2. Experimental Studies On Durability Of Concrete With Replacement Of Cement by WHA 2018
3. Experimental Investigation On Strength Aspects Of Concrete by WHA 2018
4. Experimental Behavior On Properties Of Concrete By Replacing Cement With WHA 2019
5. Experimental Behavior Of Water Hyacinth Ash As Partial Replacement Of Cement On Short Column 2019
6. Experimental Study On The Behavior Of Modulus Of Elasticity With Partial Replacement Of Cement By WHA 2020
7. Experimental Analysis Of Buildings With Passive Construction Material - 2021
8. Chemical Analysis of Water Hyacinth Ash by XRD and SEM" -2021
9. Treatment Of Waste Water Discharge Into Aliyar River, Anamalai Town Panchayat - 2023
10. An Anova-Based Numerical Analysis of WHA Partial Replacement

Concrete-2023

11. Experimental Study on Strength Properties of Triple Blended Self-Compacting Concrete-2023
12. Evaluation Of High Strength Concrete Using Hospital Waste Ash And Silica Sand In Concrete-2023
13. Chemical Properties of Water Hyacinth Plant Ash-2023
14. An investigation on changing of chemical and physical properties of soil in ironmines area of india- Neuroquantology journal -vol.7- 2022

INTERNATIONAL JOURNALS (NON -SCOPUS) -20 PAPERS

BOOKS

1. **Vasthu Shastra and Plan** -Notion Press- ISBN 10-1637817207 ISBN-13-978-1637817209 -2020.
2. **Basic Rules for Practical Civil Engineers**- Notion Press- ISBN 9781638503552
3. **Green Building Materials And Implementation- Notion Press- ISBN 9781638867685**
4. **Human rights** -LuLu publications-ISBN 9781312093379- 2022
5. **Building Construction** - LuLu publications - ISBN 978131204145-2023
6. **IOT & AI INNOVATIONS IN CIVIL ENGINEERING**-LAMBERT publication- ISBN-9786207459667
7. **FUTURISTIC TRENDS IN CONSTRUCTION MATERIALS AND CIVIL ENGINEERING** –IIP PUBLICATIONS-9789357477529

PATENTS

1. Massive IOT Traffic flow forecasting using Time aware locality sensitive hashing enabled by 6G - 2022
2. Multi-agent topology for an energy -efficient building structure with artificial intelligent--- 2022
3. Consideration of Prefabricated Building in Housing Construction- 2023
4. Underwater Sensor Network For Monitoring Environment Using Image Processing - 2023
5. Solar Based Biogas Generator- 2024
6. Device to Analyse Cement Quality -Design Patent 2024
7. Railway track machine -Design Patent 2024

COURSERA

1. Mechanics of Material -Fundamentals of Stress & Strain and Axial Loading -2023
2. Introduction to Psychology-2023
3. Research Design: Inquiry and Discovery--2023
4. Machine Learning for All 2023
5. Greening the Economy 2023
6. Wood Science: Beyond Building -- 2023

7. Understanding Research Methods --2024
8. Renewable Energy and Green Building Entrepreneurship--2024
9. Learning How to Learn: Powerful mental tools to help you master tough subjects -2024
10. Finite Element Analysis Convergence and Mesh Independence-2024

BOOK CHAPTERS

1. **Smart technologies for sustainable development** -Experimental Behaviour of WHA as the partial replacement of cement on concrete - **ISBN: 978-93 90188 08-6 PG NO: 80-89**
2. **TEACHERS EDUCATION** -ICT & TEACHER EDUCATION - Pg no 33-46
3. **Research On Experimental Behaviour Of Water Hyacinth Ash As Partial Replacement On Short Column**-Advanced Aspects Of Engineering Research- Book Publisher International-ISBN978-93 90768 20-2 PG NO:159-167
5. **Utilization of contaminated bioplants on lakes to a renewable sources**- Shielding Mother earth -2023
6. **Case Studies on Repair and Rehabilitation of Reinforced Concrete Structures**-pg no.75-Cutting Edge Advancements in Science, Engineering and Technology ISBN: 978-81-974299-3-4
7. **Environmental Stewardship in the Construction Industry in Developed Countries**-pg no.64-Cutting Edge Advancements in Science, Engineering and Technology ISBN: 978-81-974299-3-4
8. **Flexural Performance of UHPC in Hollow Structural Members**-Pg.no.205-Cutting Edge Advancements in Science, Engineering and Technology ISBN: 978-81-974299-3-4
9. **Evaluate the Long-Term Shear Strength and Swell Control Properties of Stabilized Black Cotton Soil under Different Environmental Conditions**-pg.no.222Cutting Edge Advancements in Science, Engineering and Technology ISBN: 978-81-974299-3-4
10. **Formulation and Characterization of Green Adhesive with Cow Dung Ash in M-Sand Concrete Blocks**-Pg.no.69Cutting Edge Advancements in Science, Engineering and Technology ISBN: 978-81-974299-3-4

EDITORIAL MEMBER

1. **EDITORIAL BOARD MEMBER IN Edelweiss Applied Science and Technology**
2. **EDITORIAL BOARD MEMBER IN SCOPUS INDEXED JOURNAL- BLUE EYES INTELLIGENCE ENGINEERING AND SCIENCE PUBLICATION**
3. **EDITORIAL BOARD MEMBER IN SCIENCE PUBLISHING GROUP. INTERNATIONAL JOURNAL OF SCIENTIFIC , RESEARCH AND ENGINEERING TRENDS**
4. **EDITORIAL BOARD MEMBER IN Global Journal of Research in Engineering & Computer Sciences**
5. **EDITORIAL BOARD MEMBER IN International Journal of Civil Engineering (IJCE - SCOPUS)**
6. **THE HERTZ JOURNAL OF ENGINEERING-ID:20200730**
7. **EDITOR -IIP BOOK**

REVIEWER

Material Science Research India

Institute Of Scholars

Blue Eyes Intelligence Engineering And Science Publication

International Journal Of Integrated Engg (Ijie)-Uthm ,Malaysia

Annual Research And Review In Biology

International Journal Of Pathogen Research ,india

MEMBERSHIP

National Post Doctoral Association-ID-74753515

American Concrete Institute -ID-02286326

International Association Of Engineers - ID: 261596

International Association Of Advanced Materials - ID: 8012171915037

International Association Of Hydrological Science - ID: 18159 Institution of

Structural Engineers- ID- 088406243

National Council of Structural Engineers Associations - ID- 083480

International Association For Bridge Maintenance And Safety - IMV 36

"National Institute For Technical Training & Skill Development"-

NITTSD/PROFESSOR/07311

International Scientific Research Organization

CONFERENCES

ORGANIZED

International conference in Advances on civil engineerings -ICACE'24

International conference in Advances on civil engineerings -ICACE'23

International conference in Advances on civil engineerings -ICACE'22

Recent Innovation In Civil Engineering And Technology-Ricet „20

Recent Innovation In Civil Engineering And Technology-Ricet '19

Recent Innovation In Civil Engineering And Technology-Ricet „18

PRESENTED

INTERNATIONAL CONFERENCE-Muthayammal Engineering College-2023

INTERNATIONAL CONFERENCE- Dhanalakshmi college of engineering-2022

NATIONAL CONFERENCE- Society For Environment & Sustainable Development, New Delhi- 10th & 11th Oct 2021

INTERNATIONAL CONFERENCE- Aarupadai Veedu Institute Of Technology - **IVCSCMT-2020** - 18th & 19th JUN 2020

WEB CONFERENCE- Kamaraj College Of Engineering And Technology- **WCSCMM'20-** 22nd & 23rd JUN 2020

NATIONAL CONFERENCE- SRM TRP Engineering College- **NCAIMC-20** – 4th JULY 2020

NATIONAL CONFERENCE- Kongunadu College Of Engineering And Technology- **RIACE-2K20** – 12th JUN 2020

COMPUTER SKILLS

STAADPRO, AUTO-CAD, MSOFFICE

FACULTY DEVELOPMENT PROGRAM

FDP on “Infrastructure for smart city planning”-NITTR-4th to 8th OCT 2021

FDP on “**Latest Innovations in Transportation Engineering and Infrastructure Developments**”- Kalasalingam Academy of Research and Education,- 21 to 26th June 2021

Aicte Sponsored One Week Short Term Training Programme On "Empowering Moral Values , Ethics And Behavioral Attitude In Teaching Skills Among Teachers (PHASE-III)- Dr.N.G.P Institute Of Technology-19 to 24th April 2021

NITTR-Green and Sustainable Energy Development-22 to 26th mar 2021

FDP On “**Outcome Based Education**”- 26 to 30th March 2021

Indo-Russian FDP on Advancements in Earthquake Engineering - IPS ACADEMY-Institute Of Engineering & Science-6th to 10th july 2020

Indo-China Research Webinar Series in Civil and Environmental Engineering' held during 8-19-May 2020.

Emerging Trends in Infrastructure & Structural Engineering -Marri Laxman Reddy Institute Of Technology & Management - 2^{ns} to 6th june 2020
FDP on **Principles Of Management** -Panimalar institute of Technology- 18th to 22th may 2020

Two Week Online Refresher Course on Advancements in Mechanical, Production & Civil Engineering and ICT in Teaching - Learning Process- Sri Sai Ram Engineering College, Chennai -13th to 26th 2020

FDP on “**Effective and Instructive Research**” -Sona College of Technology- 4th-10th May,2020

WEBINAR

Challenges in Rebuilding Business in the Post Pandemic-Sengunthar Engineering College- 14th May 2021

National Building Code (NBC 2016) – Glass and Glazing Aspects-

Organised by Bureau of Indian Standards, Glazing Society of India & IIT-Madras, -24th June 2020.

“Research Perspectives Of Social Network Mining”- Government Arts College (Autonomous),Salem-29.06.2020.

“Ground Water Management with special Reference to Artificial Recharge” organized by Vivekananda Institute of Technology, Bengaluruon 19th June, 2020.

Advanced Techniques in Civil Engineering -“Sustainable Water Management”- PSG Institute of Technology and Applied Research- 19.06.2020

Emerging trends and challenges in construction industry-Baptla Engineering college, Andra Pradesh- 9th to 11th 2020

EVENTS

Conducted online **National webinar- vastu shastra**- ancient wisdom meets modern scientific knowledge- 4th Jun 2020.

Conducted **JCTCIVILQUIZBOT’20** on 27th May 2020.

Conducted online **National webinar- Analysis of heavy metal pollution on soil using machine learning techniques**- 19th Aug 2020.

EVENT SPEAKER

International webinar for **“CLIMATE CHANGE ”** at TEAM 2020 helpers on 06-March-2022

An eminent speaker for International webinar for **“ WRITING AMANUSCRIPT ”** at TEAM 2020 helpers on 04-June-2021

An eminent speaker for online webinar for **“Building plan in Construction”** at Karpagam Academy of higher education college on 26- June-2021

An eminent speaker for online webinar for **“vastu plan in modern era ”** at Dr Mahalinagam college of engineering & Technology college on 19-June- 2021

An eminent speaker for online webinar for **“ART OF WRITING A RESEARCH PAPER ”** at Jct Engineering college on 04-June-2021

An eminent speaker for online webinar for **“Construction And Project Management”** at SVS School of Architecture on 09-Oct-2020

An eminent speaker for online webinar for **“BUILDING SERVICES”** at Jct polytechnic college on 03-Aug-2020

An eminent speaker for online webinar for **“Vastu Shastra”** at Jct Engineering college on 31-July-2020.

An eminent speaker for offline session at Anna university, coimbatore on sep2025.

HOST

Conduct a International course module - Vastu in modern era-
1072participants- 3 days

FUNDING(RECEIVED)

- a. Tamilnadu state council for science and technology -Popularization of science-
2024 -Rs 30,000-
- b. Tamilnadu state council for science and technology -National seminar -2024-
Rs 30,000-
- c. Tamilnadu Niral Thiruvizha -2025- Rs 10,000

FUNDING(APPLIED)

- d. Defence research and Development Organization -2020
- e. Tamilnadu state council for science and technology -students project-2021
- f. International Venture Capital Fund Imperious Group-utilization of WHA on
paver /solid blocks- 2021
- g. Science technology and innovations (STI) HUBS for development of
Scheduled Caste (SC) and Scheduled Tribe(ST)-2021
- h. Material science today-TATA steel -2022
- i. SCIENCE & ENGINEERING RESEARCH BOARD (SERB)- Karyashala-2022
- j. Indian council of social science Research-2022

I hereby declare that the information furnished above is true, complete and
correct to the best of my knowledge and belief.

Dr. V.MURUGESH