



KOWSALYA . M

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OBJECTIVE	Looking for a challenging career which demands the best of my professional ability in terms of technical and analytical skills and helps me in broadening and enhancing my current skill and knowledge.
EDUCATION	<ul style="list-style-type: none">• Ph.D. in Civil Engineering (2021 – Present) , SRM Institute of Science & Technology , Kattankulathur 603203• M.E. Structural Engineering – 9.51 CGPA (2019- 2021) , SRM Valliammai Engineering College, Kattankallathur 603203• B.E. Civil Engineering - 8.55 CGPA (2014-18), Tagore Engineering College, Rathinamangalam, Chennai-127.
INDUSTRY EXPERIENCE	Technical Assistance in structural designing and detailing in M/s. Hitech Civil Engineering Services (M) Pvt. Ltd, from Dec 2018 to Sep 2019.
TRAINING EXPERIENCE	Attended Implant Training in - PG Project Student in CSIR – SERC, Tharamani - GRM Constructions Pvt Ltd - Indian Metrological Department - Chennai Port Trust
TECHNICAL SKILLS	ANSYS , ABAQUS, ETABS, SAP2000 , SAFE , REVIT , STAAD Pro , MS Project, AutCAD
ACHIEVEMENTS	<ul style="list-style-type: none">• Best Paper Award in International Conference on MAHSA International Sustainable Infrastructure Technology and Environment 2023(Mi-SITE23), MAHSA University, Malaysia• Best Paper Award in National Conference on Material Sustainability , MSCE 2021 organized by SRM Institute of Science and Technology, Kattankulathur.• Ranked as Gold Medalist in ME Structural Engineering for the batch 2019-2021.• Gate Qualified (2021)• Certified as Topper of the College in BE. Civil Engineering for the batch 2014-2018.• Certification of academic excellence of Tagore Engineering College in the year 2016.• Ranked AIR 941 in ENGINEERING OLYMPIAD EXAM.• Best Paper Award for the conference paper titled “Flymcrete Columns For Stabilization Of Soft Soil” NCRASEM 2018.
PROJECT DETAILS	<ul style="list-style-type: none">• Post Graduate experimental project in CSIR – SERC on the project titled “ Performance of buckling prevented thin walled member under compression”.

- Post Graduate Analytical project titled “ Study on Castellated web beam with optimized opening”.
- Under Graduate experimental Project titled “Flymcrete Columns for the Stabilization of Soft Soil”.
- Under Graduate Design Project done on the title “Design of Railway Truss Viaduct”.

CONFERENCES
PRESENTED

- Presented in International Sustainable Infrastructure Technology and Environment 2023 on the topic “Potential of Alccofine as Cement Replacement for Sustainable Concrete”, MAHSA University, Malaysia
- Presented in International UKIERI Concrete Congress Sustainable Concrete Infrastructure on “Quantitative evaluation of concrete sustainability using fly ash cenosphere as fine aggregate” , NIT Jalandhar, Punjab.
- Presented in International conference on Advances in Mechanical Engineering (ICAME 2022) on the topic title “A Review on Fly-Ash Cenosphere as a Solid Waste in Concrete Application” organized by SRM Institute of Science and Technology, Kattankulathur.
- Presented in National conference on Materials and Sustainability in civil engineering (MSCE 2022) on the topic titled “Effect of Fly ash cenosphere replacement as a fine aggregate with Msand - Sustainable concrete organized by SRM Institute of Science and Technology, Kattankulathur.
- Presented in International conference on Smart Waste Management on the topic titled “ Application of solid waste flyash cenosphere in concrete utilization” ,SWM 2021 organized by SRM Institute of Science and Technology, Kattankulathur.
- Presented in International conference on Smart Automation in Computer, Electrical, Electronics and Communication Engineering, on the topic titled “State Of Art Review – Buckling Prevented Thin Walled Member” ICSA 2021 organized by SRM Valliammai Engineering College, Kattankulathur.
- Presented in National Conferecne on Recent Advances in Science, Engineering and management on the topic titled “Flymcrete Columns For Stablization Of Soft Soil” NCRASEM 2018 organized by Tagore Engineering College.
- Presented in in 2nd International Conference on Engineering Materials and Process ICEMAP 2017 topic titled on “A Review Paper On Stabilization Of Soil Using Diferent Organic And Inorganic Additives” organized by Tagore Engineering College.

JOURNAL
PUBLICATIONS

- M Kowsalya, S Sindhu Nachiar, Anandh Sekar, P T Ravichandran, “Study on Mechanical Properties of Concrete with Fly Ash Cenosphere as Fine Aggregate - A Sustainable Approach”, <https://doi.org/10.3390/buildings12101679> , Buildings, October 2022.
- Kowsalya M, S Sindhu Nachiar and Anandh S, “A Review on Flyash Cenosphere as a solid waste in concrete application”, <https://doi.org/10.1016/j.matpr.2022.08.363> , Materials Today: Proceedings,, September 2022.
- M.Kowsalya ,G.R.Iyappan, “State Of Art Review – Buckling Prevented Thin Walled Member”, Journal on Civil Engineering, Vol 11(2), pp 47-57, May 2021.
- M.Kowsalya ,G.R.Iyappan, “Study on Castellated web beam with optimized opening – State of the art review” , Inernation Journal of Research Publication and Reviews(IJRPR), Vol 1(7) , pp 87-93, Nov 2020.

Courses Completed

Completed 5 NPTEL courses on Charcterisation of Construction Materials, Concrete Technology, Advanced Concrete Technology, Electronic Waste Management and Basic Construction Materials

FDP/Workshop

- Six Day FDP on Advanced MATLAB Programming with Applications in Emerging Technologies

- Short term course on “COMPUTATIONAL METHODS IN ENGINEERING USING MATLAB.
- IP Awareness/Training program under National Intellectual Property Awareness Mission .
- One day workshop on LIGHT GAUGE STEEL-CONCRETE COMPOSITE STRUCTURES
- Attended an International symposium on “Recent Advances in Concrete Construction and Preservation”. Participated in “STRUCTURAL BASIC WORKSHOP” organized by TERZAGHI INSTITUTE. Participated in inter-college symposiums and also presented paper on “GIS APPROACH IN ASSESSING THE STATUS OF GROUNDWATER QUALITY”.

PERSONAL
DETAILS

DOB	:	19/06/1996
GENDER	:	FEMALE
NATIONALITY	:	INDIAN
LANGUAGES KNOWN	:	English, Hindi , Tamil

Declaration I hereby declare that all the above given information is true and correct to the best of my knowledge.

Kowsalya.M