

CURRICULUM VITAE

Dr. S. Kamal M.E., Ph.D.

Associate Professor

Department of Civil Engineering

UCE – BIT Campus, Tiruchirappalli 620 024

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➤ **Research Area:**

- Civil Engineering
- Construction Engineering and Management
- Structural Engineering

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage	Class
Ph.D. (Construction Engineering and Management)	College of Engineering Guindy/ Anna University	2013	-	-
PG (Construction Engineering and Management)	Annamalai University	2007	OGPA 9.22	First Class with Distinction
UG (Civil Engineering)	M.V.J College of Engineering, Bangalore University	2001	61.62 Mark	First Class

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
University College of Engineering – BIT Campus, Anna University	Associate Professor	1/08/2023	Till Date	1 month 11 days
University College of Engineering – Ramanathapuram,	Associate	12/12/2017	31/07/2023	5 years 7

Anna University	Professor			months 20 days
Annamalai University	Assistant professor	17/07/2003	11/12/2017	14 years 4 months 25 days

➤ **Awards / Honours Received:**

1. Recognition of service in Flood Relief Activities from Annamalai University, 2015

➤ **Additional / Academic Responsibilities at University:**

1. Class Advisor for Batch 2017 – 2021
2. Estate office document in charge during 2018-2023
3. Co-coordinators for sexual harassment during 2014-2015
4. Member of Anti ragging Committee during 2013-2017
5. Member in Swachhta Action Plan (SAP) activities post COVID 19.
6. CAD Laboratory In charge -2017-2023

➤ **Membership of Scientific and Professional Societies:**

1. The Indian Society For Technical Education (LM 63395)

➤ **Fellowships and Grants received:**

- Nil

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: 16 No's
- b. Number of UG Project Completed: 35 batches

➤ **Research Guidance (M.S/Ph.D.) (Completed):**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.	Mr. K. Gunasekaran	A Study on Factors Affecting The Health Behaviour of Construction Workers	2014	24.03.2021
2.	Mr. G. Balaji ponraj	Behaviour of Alccofine Mixed Geopolymer Concrete Deep Beams under Ambient Cured Conditions”	2018	29.08.2022

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	Mr. N. Suriya	A study on factors influencing the manpower allocation in construction projects.	2017	Submitted

2.	Mr. S. Elavarasan	A study on significant factors that affecting the construction-site workers use of personal protective equipment	2017	Submitted
3.	Mr. M. Gurusamy	Performance Enhancement of Concrete by the Applications of Nano Silica and Fly ash as a cementations material and Quarry dust as a Fine Aggregate.	2019	Ongoing
4.	Mrs.Varamulasaritha	Assessment of the self-curing concrete with different admixture	2021	Ongoing
5.	Mr. S. Bharathidasan	A study on Enhance the enroot system in construction material management in the construction sector	2021	Ongoing

➤ **Publications:**

a. Books / book chapters:

1. Nil

b. International Journals:

1. Soundarya Priya, MG; Anandh, KS; Kamal, S; Shanmuga Priya, S; Assessing Quality of Working Life (QWL) Among Construction Professionals in Private Sectors in Chennai, Lecture Notes in Civil Engineering, Vol 284, PP 635-647, 2022. (https://doi.org/10.1007/978-3-031-12011-4_51)
2. Suriya, N; Kamal, S; Sivagamasundari, R; Evaluation of Labor Positioning Factors Influencing Construction Manpower Allocation, Lecture Notes in Civil Engineering, Vol 179, PP 635-647, 2021. (https://doi.org/10.1007/978-981-16-5041-3_8)
3. G. Balaji Ponraj, S. Kamal, J. Saravanan, G. Kumaran; An Experimental Study on Alccofine-based Geopolymer Concrete Deep Beams, International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies, VOL 12, Issue 8, 2021. [10.14456/itjemast.2021.165](https://doi.org/10.14456/itjemast.2021.165)
4. G Balaji ponraj, Dr.S.Kamal, Dr.J.Saravanan, Dr.S.Thirugnanasambandam; A Comparative Study on Compressive Strength and Durability Properties of Alccofine Incorporated Geopolymer Concrete over Conventional concrete, Annals of R.S.C.B, Vol25, Issue 6, PP 16839-16851, 2021. <https://www.annalsofrscb.ro/index.php/journal/article/view/8978>
5. G Balaji ponraj, Dr.S.Kamal, Dr.J.Saravanan, Dr.S.Thirugnanasambandam; Mechanical and Microstructural Properties of Alccofine Based Geopolymer Concrete, International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies, Vol 12, issue 10, 2021 [10.14456/ITJEMAST.2021.199](https://doi.org/10.14456/ITJEMAST.2021.199)

6. Elavarasan, S; Kamal, S; Sivagamasundari, R; A Review on Factors Influencing the Use of Personal Protective Equipment in Construction Projects, Sustainable Practices and Innovations in Civil Engineering. Lecture Notes in Civil Engineering, Vol 179, PP 133-142, 2021 https://doi.org/10.1007/978-981-16-5041-3_9
7. Elavarasan S., Kamal S; Factors Related to the Avoidance of Safety Accessories by Construction Workers in The Construction Projects, Design Engineering (Toronto), Vol 9, PP4174-4183, 2021
8. Suriya N., Kamal S; Evaluation of Critical Factors Impacting the Sustainable Manpower Allocation in Construction Projects, Design Engineering (Toronto),Vol 9, PP 1990-2001, 2021
9. S. Judes Sujatha , S.Kamal; Development Of Regression Equation To Predict Cbr Value Of Industrial Wastes And By-Products, 'Ciencia e Tecnica Vitivinicola' journal, Vol 34, Issue 3, PP 30-41, 2019
10. Anandh, KS; Gunasekaran, K; Kamal, S; Evaluating Quality of Life among the Personnel Working in Major Construction Sectors in Chennai City, Caribbean Journal of Science, Vol 53, Issue 2, PP 1832-1843, 2019
11. Dineshkumar B, Dr. Deiveegan A, Dr. Kamal S; Estimation Of Construction Phase Risk In Roadways Project, International Journal of Advanced Research in Engineering and Technology (IJARET), Vol 9, issue 1, PP 33-42, 2018
12. K. Gunasekaran, and S. Kamal; Identification Of Work Related psychological Health Behaviour Factors Affecting Among The Construction Workers Health And Work Progress, International Journal of Advanced Research in Engineering and Technology (IJARET), Vol 9, Issue 5, 2018. <http://iaeme.com/Home/issue/IJARET?Volume=9&Issue=5>
13. Renuka S. M., Kamal S., Umarani C; A Model To Estimate The Time Overrun Risk In Construction Projects, Theoretical And Empirical Researches In Urban Management, Vol 12, Issue 2, PP 67-76, 2017, <https://um.ase.ro/no122/5.pdf>
14. Revathy, S; Kamal, S; A Study On Factors Affecting The Construction Projects Scheduling, International Journal of advance research in science and engineering, Vol 6, Issue 4, PP534 -547, 2017
15. K. Gunasekaran, S. Kamal; Identification Of Occurrence Of Work Related Health Issues Among The Construction Workers In The Construction Industry, International Journal of Advanced Research in Engineering and Technology (IJARET), Vol 8, Issue 6, PP 73-81, 2017
16. S. Kamal, K. Gunasekaran, Lovely D'souza; Discriminating Stressful Construction Workers In Construction Industry, International Journal of Civil Engineering and Technology (IJCET), Vol 8, Issue 7, PP 755 -764, 2017

17. R. Vidhyasri S.Revathy, Dr. R. Sivagamasundari Dr. S. Kamal; Identification of Critical Factors Influencing Schedule Overrun in the Construction Projects, *Ciencia e Tecnica Vitivinicola*, Vol 32, Issue 6, PP 494 – 510, 2017
18. R.Arjun, Dr.S.Kamal, K.Gunasekaran; Awareness On Implementation Of Building Information Management (Bim) In Indian Construction Industry, *International journal of Advance Research in Science and Engineering*, Vol 6, Issue 4, PP 510 -518, 2017
19. V.Vinothkumar, Dr. S. Kamal, D.Kamalnataraj; Identification Of Presence Of Safety Codes In On-Site Construction Project, *International Innovative Research Journal of Engineering and Technology*, Vol 2, Issue 1, PP 38 – 44, 2017
20. K.Gunasekaran, A.Sasikala, S.Kamal; Identification of Psychological Factors Affecting among the Construction Workers, *International Journal of Aerospace, Mechanical, Structural and Mechatronics Engineering*, Vol 1, Issue 2, 2016
21. K.Sindhuja, S.Kamal; Study on Migrant Labours to Enrich the Outcome of the Construction Project, *International Journal of Aerospace, Mechanical, Structural and Mechatronics Engineering*, Vol 1, issue 2, 2016
22. Lovely D'Souza, S.Kamal; Identification of work life balance (WLB) for Engineers in construction industry, *International Journal of Aerospace, Mechanical, Structural and Mechatronics Engineering* Vol 1, issue 2, PP16-20, 2016
23. Gunasekaran, K; Kamal, S; Jeyasehar, C.Antony; Identification Of Health Behaviour Factors Of Workers Influencing In Construction Project, *International Journal Of Advance Research In Science And Engineering*, Vol 5, Issue 1 PP99 -106, 2016
24. Renuka, SM; Umarani, C; Kamal, S; A review on critical risk factors in the life cycle of construction projects, *Journal of Civil Engineering Research*, Vol 4, Issue 2A, PP 31-36, 2014
25. Umarani C, Kamal selvaraj; Retention Indicator for Engineers Migration in Construction Industry *International Journal on Applied Mechanics and Materials*, Vol 174, PP 2787-2792, 2012
26. Selvaraj, Kamal; Hazeen, Fathima; Umarani, C; Study on Engineers' retention in Indian construction industry, *Applied Mechanics and Materials*, Vol 174, PP 2778-2781, 2012

c. National Journals:

1. Kamal, S. Elavarasan & S.; A Review on Construction Workers' Safety Issues Related To The Use of Personal Protective Equipments, *IOSR Journal of Engineering (IOSR JEN)*, Vol 2, special issue, PP 38-43, 2019
2. Kamal, N. Suriya & S.; Review on Workers' Job Behaviour Related Factors Influencing Performance of Construction Projects, *IOSR Journal of Engineering (IOSR JEN)*, Vol 2, special issue, PP 32-37, 2019

3. S.Kamal, S.M. Renuka and C.Umarani; Challenges for HR professional in Construction Industry: Engineers Attrition Risk, Journal of Construction Management, NICMAR, Vol 30, issue 1, PP 89-100, 2015
4. S. Kamal, D. Kamal Nataraj and A.K.Ramakrishinan; Improving Labour Productivity Through Low Cost Working Platform, Journal of Construction Management, NICMAR, Vol 28, Issue2, PP43-52, 2013
5. Umarani, C; Kamal, S; Hazeen Fathima, M; HUMAN RESOURCE: Engineers' retention in the Indian construction industry, Indian Concrete Journal, Vol 86, Issue 5, PP 57, 2012
6. Kamal,Hazeen Fathima,Umarani.C; Factors Influencing the Retention of Middle Managers/Engineers in Construction Industry, Journal of Construction Management, Vol 37, Issue 1, PP 64-79, 2012
7. Kamal, Umarani, Anbu Selvaraj; Study on Factors affecting Labour Productivity in the Construction Industry, Journal of Construction Management, NICMAR,, Vol 26, Issue I, PP 67-77, 2011

➤ **Patents:**

Nil

➤ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
	<u>Nil</u>				

➤ **Consultancy Activities:**

Sl.No	Name of the work	Role (PI/Co PI)	Agency	Amount	Duration
	Nil				

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

- Nil

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

Seminar Attended

1. National Seminar on Information Technology in Construction Industry, College of Engineering Guindy, Anna University, Chennai -25, 23rd to 24th October,2008

2. National Seminar on Disaster Mitigation and Rehabilitation of Structures, Dept. of Civil and Structural Engineering, Annamalai University, Annamalainagar -608002, 19th & 20th March, 2009
3. Safety-Health-Environment & Energy (SHEE-2009) National Seminar, Engineering Wing-DDE, Annamalai University, 11th & 12th December 2009.
4. Seminar on quantity Surveying, Construction Industry Development Council Taminadu Advisor Group (CIDC-TAG), Chennai, 5th & 6th August, 2011
5. 3rd National Training cum Workshop on Preparing the Best PhD thesis of an International quality, CSIR-CLRI Adyar, Chennai -20, 13th to 15th February, 2012
6. One Day Orientation Programme on first aid @ disaster Management Indian Red Cross society, Tamilnadu, 8th March,2013
7. IQAC facilitated Training Programme on Technology – Rich Class Room Management, Staff Training and development center & dept. of lifelong learning, AnnamalaiUniversity, Annamalainagar, 12th & 13th , March,2014
8. One Day Technical Seminar on Innovation in Concrete Technology ,Association of Consulting Civil Engineers (India), ACCE(I), Chidambaram 608001, 7th December,2014
9. One day webinar on Construction practice for site engineers, Department of civil Engineering, Younus College of Engineering and Technology, Kollam on 16th October 2020.

Short Term Course /FDP

1. Disaster Resistant Design and Construction Structures (DREDCONST -2004), Annamalai University, 15-26 November, AICTE-ISTE, 2004
2. Structural System Identification, Indian Institute of Science, Banagalore, 12th – 17th February, MHRD, Govt. of India, 2007.
3. Disaster Mitigation and Rehabilitation of Structures (DiMaRaS -2009), Annamalai University 27th April -8th Two weeks (12 days) May, AICTE, 2009
4. Disaster Resistant Structural Design, Anna University, 16th to 22nd February, One week (7 days), AICTE – ISTE, 2009
5. Hands on Experience in MATLAB (HEM'14), Annamalai University, Annamalainagar 01st to 05th December, One week (5 Days), ISTE, 2014
6. Repair and Rehabilitation of Structures Pondicherry Engineering college, Puducherry, 16th to 20th February, One week (5 Days), AICTE sponsored QIP, 2015
7. MATLAB Application in Science and Engineering (MASE'15), Annamalai University, Annamalainagar, 8th to 12th June, One week (5 Days), ISTE, 2015
8. Recent Development in Construction Technology, Pondicherry Engineering college, Puducherry, 23rd to 27th November, One week (5 Days), AICTE sponsored QIP, 2015,

9. Entrepreneurship, Anna University Regional Campus, Tirunelveli, 22nd October to 04th November 2018,
10. Advancements in Earthquake Engineering, Department of IPS Academy, Institute of Engineering & Science, Indore, 6th to 10th July, 2020.
11. Software Application and Research in Civil Engineering, A. P. Shah Institute of Technology , Thane, 13th to 17th July, 2020
12. Recent Trends in Construction Materials and technology, Government College of Technology, Coimbatore, 20th to 24th July 2020, Tamilnadu sate Government sponsored.
13. Inculcating Universal Human Values in Technical Education, All India Council for Technical Education(AICTE), 8th to 12th November,2021
14. UHV Refresher 1, All India Council for Technical Education(AICTE), 25th to 29th April,2022

Workshop attended

1. Two days' workshop on Revit architecture and design, SRM-TRB Engineering College, Tiruchirappalli, from 8.6.2021 to 9.6.2021.
2. Quality management in Construction, St. Joseph's Institute of Technology, Chennai, 18.7.2020
3. Hearing Prevention & Management, National Hub for Health care Instrumentation Development, Anna University on 12.3.2022.

➤ National / International Conferences organized / Participated:

1. Retention Indicator for Engineers Migration in Construction Industry, Advanced building materials and sustainable architecture, Yantai, china, 2012
2. Study on Engineers' Retention in Indian Construction Industry, Advanced building materials and sustainable architecture, Yantai, china, 2012.
3. A comparative study on cases of change orders in construction projects, International conference on advances in civil engineering and chemistry of innovative materials ACECIM'14, Chennai, 2014
4. A review on critical risk factors in the life cycle of Construction projects, , International conference on advances in civil engineering and chemistry of innovative materials ACECIM'14, Chennai, 2014
5. Identification of Psychological Factors Affecting Among the Construction Workers, International Conference on Mechnaical, Civil and Automative engineering (ICMCA'16), International Institute of Scientific Research and Technology (IISRT)Esploro International, Coimbatore 28/02/2016.
6. Indication of Work Life Balance for Engineers in Construction Industry, International Conference on Mechnaical, Civil and Automative engineering (ICMCA'16), International

Institute of Scientific Research and Technology (IISRT), Esploro International, Chennai
03/04/2016

7. Study on Migrant Labours to Enrich the Outcome of the Construction Project, International Conference on Mechanical, Civil and Automotive engineering (ICMCA'16), International Institute of Scientific Research and Technology (IISRT), Esploro International, Chennai 03/04/2016
8. Identification of health behaviour Factors of workers influencing in Construction project, International Conference on Recent Research Development in Science, Engineering and Management, AR research publication Mahratta chamber of commerce industries, Conference world, Pune, 29/05/2016
9. Identification of occurrence of health issues among the construction workers in the construction industry, International conference on recent innovation in engineering and technology, International of research & journals (IIRAJ), Mysore on 9th April 2017
10. A study on factors affecting the construction Project scheduling, International conference on emerging trends, technology, science and management, IIMT college of engineering, Noida on 12th April 2017.
11. Awareness on implementation of Building information management (BIM) in Indian construction industry, International conference on emerging trends, technology, science and management, IIMT college of engineering, Noida on 12th April 2017
12. A review on construction workers safety issue related to the use of personal protective equipment's, International conference on sustainable environment and civil engineering (ICSECE'19), Easwari Engineering College, Chennai on 28th & 29th March 2019.
13. A review on workers job behavior related factors influencing performance of construction projects, International conference on sustainable environment and civil engineering (ICSECE'19), Easwari Engineering College, Chennai on 28th & 29th March 2019.
14. A study on Critical factors affecting the use of personal protective equipment's among the construction workers, National conference on sustainable technologies and smart materials (NCSSM – 2021), SRM TRP Engineering College, Trichirapalli on 10th April 2021.
15. Analysis of Critical Factors Influencing the sustainable Manpower allocation in Construction projects, National conference on sustainable technologies and smart materials (NCSSM – 2021), SRM TRP Engineering College, Trichirapalli on 10th April 2021.
16. Evaluation of Labour Positioning Factors Influencing Construction Manpower Allocation, International Conference on Sustainable Practices and Innovations in Civil Engineering (SPICE 2021), Department of Civil Engineering, Sri Sivasubramaniya Nadar College of Engineering (SSN), Chennai on 19th and 20th March, 2021.
17. A Review on Factors Influencing the Use of Personal Protective Equipment in Construction Projects, International Conference on Sustainable Practices and Innovations in Civil Engineering (SPICE 2021), Department of Civil Engineering, Sri Sivasubramaniya Nadar College of Engineering (SSN), Chennai on 19th and 20th March, 2021.
18. Assessing Quality of Working Life (QWL) among Construction Professionals in Private Sectors in Chennai, Third International Conference on Structural Engineering and Construction Management

(SECON'22), Department of Civil Engineering, Federal Institute of Science And Technology (FISAT), Ernakulam, 1st to 3rd June 2022

➤ **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)

- Journal Reviewer, Journal of the institution of Engineers(India): Series A- 2015
- Reviewer, International conference on civil engineering innovative development in engineering advances [ICC IDEA - 2023]
- Chairperson in Anna University Central valuation, ACGCET, Karakudi.
- Examiner in Tamilnadu Public Service Commissions (TNPSC), Chennai
- Doctoral Committee Member in Anna University, SRM University, Periyar Maninammai University, kalasalingam University.
- Examiner for M.E Construction Engineering management, NIT Tiruchirappalli

(A) Chairperson for conferences / Seminar / Technical symposia:

1. JURY, Technical symposium FLAMES'15, Department of Civil Engineering, Dr.Navalar Nedunchezhiyan College of Engineering, Tholudur
2. JURY, A National Level Technical Symposium, JOIST'16, Department of Civil Engineering & Indian Society for Technical Education (ISTE), VRS College of Engineering and Technology, Arasur, 2016
3. Chief Guest, National Level technical Symposium EDIFIC-2k15, Civil Engineering student association (ICAN) J.J. College of Engineering and Technology, Trichirapalli.
4. JURY, Technical Symposium, AWCIMITS-2K17, Department of Civil Engineering, Trichy Engineering College, Trichirapalli, 2017

(B) Guest lectures delivered:

1. Strength of materials, 06th April 2018, Department of Civil Engineering, Mount Zion College of Engineering and Technology, Pudukkottai
2. Advancement in Concrete technology, 06th Feb 2019, Department of Civil Engineering, Kongunadu College of Engineering and Technology, Thottiam.
3. Guest Speaker, "Safety Management in Construction" Technical Webinar and Industry connect series 2020, Mount Zion College of Engineering and Technology, Pudukkottai.
4. Guest lecture, one day webinar, "Lean construction", Gnanamani College of Technology, Nammakal, 2021