

CURRICULUM VITAE

		
1. Name	: Dr. SUPRIYA M J	
2. Date of Birth	: 27/10/1989	
3. Highest Qualifications	: BE, M-Tech, Ph.D.	
Total Work Experience		12.3 years

Qualification	Name of the University	Name of the Institution	Year of Passing	Percentile
Ph.D.	Visvesvaraya Technological University	Malnad College of Engineering, Hassan. (Research Center)	2025	-
M. Tech. (Structural Engineering)	Visvesvaraya Technological University	Dr. Ambedkar Institute of Technology, Bangalore.	2013	80.54 (%)
B.E. (Civil Engineering)	Visvesvaraya Technological University	Malnad College of Engineering, Hassan.	2011	80.1 (%)

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Publications Details – (Journals/Conferences):

List of Publications

A. International Journal Papers (SCI/ SCOPUS Indexed/WOS):

1. Supriya, M. J. (2026). Experimental Investigation and ML Based Prediction of Compressive Strength of Concrete with Substitution of Coarse Aggregates by Agro-Waste under Wax and Water Curing Regimes, SSRG International Journal of Civil Engineering Volume 13 Issue 8, 96-110, August 2026 ISSN: 2348-8352. (*Scopus Indexed*,

- Q2).<https://www.internationaljournalssrg.org/IJCE/paper-details?Id=1108>
2. Supriya, M. J. (2026). Next-Generation Functional Materials for Energy and Structural Performance, *International Journal of Special Education*, 41(10s), 1531-1543. (*Scopus Indexed*, Q3)<https://internationalsped.com/index.php/ijse/article/view/4405>
 3. Supriya, M. J. (2026). Effect of Styrene–Butadiene Rubber Latex Dosage on the Workability and Compressive Strength of Concrete Incorporating Manufactured Sand as Fine Aggregate, *International Journal of Computer Information Systems and Industrial Management Applications* ISSN 2150-7988, Volume 18(8s) 2026 pp. 97-110. (*Scopus Indexed*, Q3).<https://cspubijcisim.org/index.php/ijcisim/article/view/3221>
 4. Supriya, M. J. (2025). Stabilisation of black cotton soil using red mud: An alumina extraction by-product. *Journal of Mines, Metals and Fuels* (*Scopus Indexed*), 73(4), April 2025. (*Scopus Indexed*, Q4).<https://informaticsjournals.co.in/index.php/jmmf/article/view/48071>
 5. Supriya, M. J. (2025). Mine tailing as a resource for expansive soil stabilization: A sustainable perspective in mining and mineral engineering. *Journal of Mines, Metals and Fuels* (*Scopus Indexed*, Q4), 73(2), February 2025. (*Scopus Indexed*, Q4).<https://informaticsjournals.co.in/index.php/jmmf/article/view/47632>
 6. Supriya, M. J. (2025) Experimental Investigation and Predictive Modelling of Sustainable Concrete Incorporating Industrial By-Products. *Vol. 11 No. 4 (2025): IJCESEN*, Q3, Dec 2025. (Q3).<https://ijcesen.com/index.php/ijcesen/article/view/4824>
 7. Supriya, M. J. (2024). *Characterization of black cotton soil treated with industrial waste by-products*. *Technische Sicherheit (Technical Security Journal)*, 24(7). (Q3). <https://technikwissen.info/volume-24-issue-7-2024/>
 8. Supriya, M. J. (2024). *Parametric study of expansive black soil treated with red mud and lime*. *TANZ Journal*, 19(07). (Q4).<https://tanzj.net/volume-19-issue-07-published-in-july-2024/>
 9. Supriya, M. J. (2021). Stabilization of lime treated black cotton soil and red mud mixture. *International Journal of Engineering Research and Technology*, 10(8), August 2021. (Peer Review Open Access Journal). <https://www.ijert.org/volume-10-issue-08-august-2021>
 10. Supriya, M. J. (2021). Stabilization of black cotton soil using mine tailing and lime. *International Research Journal of Engineering and Technology*, 8(8), August 2021. (Peer Review Open Access Journal).<https://www.irjet.net/volume8-issue08>
 11. Supriya, M. J. (2021). Masonry Structure Behaviour Using Different Types Of Mortar, *Tanz* (Issn No: 1869-7720) Vol16 Issue02 2021.<https://tanzj.net/volume-16-issue-2-july-december-2021/>

12. Supriya, M. J. (2019). Parametric study of engineering properties of black cotton soil treated with various industrial waste and lime. *International Journal of Science and Engineering Development Research*, 4(6), June 2019. (Peer Review Open Access Journal)
13. Supriya, M. J. (2019). Comparative study of black cotton soil treated with cement and industrial waste. *International Journal of Innovative Research in Science, Engineering and Technology*, 8(6), June 2019. (Peer Review Open Access Journal)

B. Papers presented in Conference (SCOPUS/WoS/ IEEE Indexed):

1. Supriya M J (2026). Analytical and comparative study of hybrid steel trussed concrete beams (HSTCB), International Conference (ICNGTS - 2026) held during 13th & 14th March 2026, organized by the Karpaga Vinayaga College of Engineering and Technology. Tamilnadu.
2. Supriya M J (2025). *Removal of Fluoride from Groundwater using Natural Adsorbents*. Paper presented at the International Conference on River Resilience: Environmental Flows to River Health through the Lens of Ecosystem Services (ICRR 2025), NIT Calicut, India, 27 February – 1 March 2025. [Funded by SPARC, Ministry of Education, Government of India]
3. Supriya, M. J. (MEEMS-2024, December 20th–21st). *Durability properties of concrete using marble dust and laterite wastes* [Paper presentation]. International Conference on materials, energy, environment and manufacturing sciences (MEEMS-2024), SMVIT, Bantakal.
4. Supriya M J (2024). *Co-author*, Presented at the 3rd International Conference on Innovative Research and Development (ICIRD - 2024), Shinawatra University, Thailand, 8–11 November 2024. Organized by ESN Publications India, S.E.A. College of Engineering & Technology, Bengaluru, Stella Marutina College of Education, Chennai, and KPCTA.
5. Supriya, M. J. (2021, March 18–20). *Parametric study of black cotton soil using industrial waste and lime* [Paper presentation]. International Conference on Advancements and Innovations in Civil Engineering, KDK College of Engineering, Nagpur.
6. Supriya, M. J. (2021, September 2–3). *Comparative study of black cotton soil treated with cement and industrial waste* [Paper presentation]. International Conference on Emerging Trends in Civil Engineering (ICETCE 2021), K. L. Society's Shro Vasantrao Potdar College, Belagavi.

Patents Details:

1. Supriya M J, (2025). Enhanced Concrete Composites with Optimized Marble Dust for Improved Mechanical Properties. Patent Application No. **202541023320 A**,
Date of Filing: **16/03/2025**, Publication Date: **28/03/2025**,
India Patent

2. Supriya M J, (2025). Enhanced Concrete Composites with Optimized Recycled Concrete Aggregate for Improved Mechanical Properties Using a Linear Regression Model.
Patent Application No. **202541036585 A**,
Date of Filing: **15/04/2025**, Publication Date: **09/05/2025**,
India Patent Office
3. Supriya M J, (2024). Enhanced Soil Composites with Optimized Natural Additives for Improved Mechanical Properties.
Patent Application No. **202441031963 A**,
Date of Filing: **22/04/2024**, Publication Date: **26/04/2024**,
India Patent Office.
4. Supriya M J, (2024).
Intensify Concrete Composites with Optimized Copper Slag for Improved Mechanical Properties.
Patent Application No. **202441047555 A**,
Date of Filing: **20/06/2024**, Publication Date: **28/06/2024**,
India Patent Office.

Courses Completed (Swayam/NPTEL/other Courses):

1. *Effective engineering teaching in practice* [NPTEL Online Certification, 4 weeks]. SWAYAM
2. *Programming in Python* [SWAYAM Online Certification, 12 weeks]. SWAYAM.
3. *Electronic waste management – Issues and challenges* [NPTEL Online Certification, 4 weeks]. SWAYAM.
4. *Orientation towards technical education & curriculum aspects* [Training, 8 weeks]. NITTT.
5. *Professional ethics & sustainability* [Training, 8 weeks]. NITTT.
6. *Communication skills, modes & knowledge dissemination* [Training, 8 weeks]. NITTT.
7. *Instructional planning and delivery* [Training, 8 weeks]. NITTT.
8. *Technology enabled learning & life-long self-learning* [Training, 8 weeks]. NITTT.
9. *Student assessment and evaluation* [Training, 8 weeks]. NITTT.
10. *Creative problem solving, innovation and meaningful R & D* [Training, 8 weeks]. NITTT.
11. *Institutional management & administrative procedures* [Training, 8 weeks]. NITTT.
12. *Innovation ambassador training ‘Foundation Level’* [Training, 15 weeks]. MoE’s Innovation Cell.
13. Supriya, M J. IUCEE International Engineering Educator Certification Program Spring 2020. (6 months’ duration)

Workshops Attended:

1. Supriya, M. J. (2018, October 15–16). *Concrete – From concept to reality* [Faculty development program]. Vidya Vardhaka College of Engineering, Mysore.
2. Supriya, M. J. (2019, November 1–2). *Geotechnical engineering laboratory and its usage in design* [TEQIP-III Sponsored Workshop]. Department of Civil Engineering, Malnad College of Engineering, Hassan.
3. Supriya, M. J. (2019, December 9–14). *Recent developments in renewable energy sources and conversion systems for on/off grid applications* [AICTE Sponsored STTP]. Department of E&E Engineering, Malnad College of Engineering, Hassan.
4. Supriya, M. J. (2020, September 7–11). *An overview of multidisciplinary approaches in the field of civil engineering* [FDP]. Department of Civil Engineering, RIT, Hassan.
5. Supriya, M. J. (2020, October 1–5). *Strategic civil infrastructure* [ATAL FDP]. IIT Hyderabad (Online).
6. Supriya, M. J. (2020, November 18–20). *Longevity of steel and RCC structures against fire and corrosion (LSRSFC-2020)* [Advanced course]. CSIR-SERC, Chennai (Online).
7. Supriya, M. J. (2020, December 7–11). *Construction technology* [ATAL FDP]. Gayathri Vidya Parishad College for Degree and PG Courses (A) (Online).
8. Supriya, M. J. (2020, December 21–25). *Waste technology* [ATAL FDP]. C. V. Raman Global University (Online).
9. Supriya, M. J. (2021, January 18–23). *Processing, characterization, and modelling of smart materials and systems* [AQIS STTP]. C. V. Raman Global University, Bhubaneswar, Odisha (Online).
10. Supriya, M. J. (2022, January 17–21). *Redemption from plastic pollution: Indian Railways* [ATAL FDP]. National Rail and Transportation Institute (Online).
11. Supriya, M. J. (2022, February 7–11). *Advances in earthquake safe design and construction practice* [ATAL FDP]. L. D. College of Engineering, Ahmedabad (Online).
12. Supriya, M. J. (2022, September 12–16). *Self-sustainable buildings* [STTP]. Presidency University (Online).
13. Supriya, M. J. (2022, September 19–23). *Outcome based education* [FDP]. Malnad College of Engineering, Hassan.
14. Supriya, M. J. (2023, May 29 – June 2). *Smart materials and systems* [AICTE–VTU Joint Teachers Training Programme]. VIAT, Muddenahalli, Chikkaballapur (Online).
15. Supriya M J (2022, Sep 19 – Sep 23). *Outcome Based Education* [One Week Faculty Development Programme]. Malnad College of Engineering, Hassan. [Jointly organized by Departments of Civil, Mechanical and E&E Engineering].

16. Supriya M J (2023, Jul 31 – Aug 4). *Air, Water Pollution and Health* [One Week Faculty Development Programme]. National Institute of Technical Teachers' Training and Research (NITTTR), Kolkata. [Established by Ministry of Education, Govt. of India]
17. Supriya M J (2024, Jan 24). *Soil Engineering: Coupled Processes and Applications* [Presidency University Masterclass]. Presidency University, Bengaluru.
[Organized by Department of Civil Engineering in association with Office of International Affairs]
18. Supriya M J (2024, Jun 3 – Jun 7). *Recent Advances and Research Scope in Geotechnical Engineering* [One Week Online Faculty Development Programme]. Jorhat Engineering College, Garmur, Assam – 785007. [Organized by Department of Civil Engineering]
19. Supriya M J (2024, Jun 18 – Jun 22). *Geo-Informatics in Disaster Management* [One Week Online Faculty Development Programme]. Jorhat Engineering College, Garmur, Assam – 785007. [Organized by Department of Civil Engineering]
20. Supriya M J (2024, Jun 25 – Jun 29). *Recent Advances in Structural Engineering and Material Science (RASEMS)* [One Week Online Faculty Development Programme]. Jorhat Engineering College, Assam – 785007. [Organized by Department of Civil Engineering]
21. Supriya M J (2024, Sep 23 – Sep 27). *Advanced Materials and Techniques for the Repair and Strengthening of Concrete Structures (AMRTC'24)* [Online Faculty Development Programme]. R.V.R. & J.C. College of Engineering, Guntur, Andhra Pradesh. [Organized by Department of Civil Engineering]

Events Conducted:

1. Organized Industry Interaction on “Opportunities in IT companies as SAP consultant” on 3rd July 2024 Organized by the Department of Civil Engineering, MCE, Hassan.
2. Conducted AICTE Sponsored one-week Faculty development program on ‘New Generation smart materials and composites for sustainable development’ on June 07th to June 12th 2024 Organized by the Department of Civil Engineering in collaboration with AICTE Idea lab, MCE, Hassan.
3. Organized Workshop On Career Guidance for Competitive Examinations for students on 15th 16th and 17th April 2024.
4. Organized Poster Presentation on account of National Pollution control day on 7th December 2023 Organized by the Department of Civil Engineering in association with ME-RIISE Foundation, MCE, Hassan.
5. Conducted Free Vehicle Emission test on account of National Pollution control day on 29th December 2022 Organized by the Department of Civil Engineering in association with ME-RIISE Foundation, MCE, Hassan.

6. Coordinated the highly successful Intercollegiate UI/UX Hackathon during **PRAGYATHA'25** (28th–30th Nov, 2025).
7. Organized an online industry-readiness masterclass: "AI Ready Your Career" by Dr. Haroon Abbu (5th Dec, 2025).

Professional Membership

1. Life member, Indian Society for Technical Education.
2. Professional member, Institute for Educational Research and Publication

Administrative Activities At MCE: -

- Convener, Institute Innovation Council (IIC), MCE
- Convener, Leo Club.
- Member, Institutional Research Advisory Committee (IRAC), MCE
- Member, Campus Disciplinary Committee (CDC)
- Member, College Handbook Committee.
- Worked as Module administrator in SAMARTH.
- NBA, NAAC work
- BOS and BOE member
- Anti-ragging committee
- Department Geotechnical Lab In-charge.

Other Achievements:

1. As a Primary Evaluator in 'Toycathon, 2021'. Conducted by the Ministry of Education's INNOVATION CELL. New Delhi
2. As a guest speaker for the seminar on 'Universal Human Values' on July 20th 2023 at Rajeev polytechnic college, Hassan.
3. Contributed as an evaluator in the six-week internship program on Digital Skills organized by ME-RIISE FOUNDATION at Malnad College of Engineering, Hassan on 24th February 2025.
4. As a resource person for giving practical training session on 'Total Station' at Smt LV Govt Polytechnic Hassan on 16th and 17th of October 2025 for faculties and students.
5. Being felicitated by Taluk padhavidhara pattina sahakara sangha, Channarayapatna on 14/09/2025 for the academic achievement.
6. As a resource person for giving practical training session on "Skill Development" at Smt LV Govt Polytechnic Hassan on 13th of March 2026 for faculties and students.
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(Dr. SUPRIYA M J)