Dr. Parameshwar N. Hiremath BE, M. Tech, Ph.D.

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Google Scholar ID: f1YWdxAAAAAJ

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Academic Background

Degree	University	Institution	Year of Passing
Ph. D (Structural Engineering)	NITK	National Institute of Technology Karnataka **(NITK)**, Surathkal, Mangalore, Karnataka -575025	2018
M. Tech (Structural Engineering)	VTU	Basaveshwar Engineering College, State Government Aided Institution, Institute under **TEQIP(Autonomous)**, Bagalkot, Karnataka-587103	2013
BE (Civil Engineering)	VTU	Poojya Doddappa Appa College of Engineering, State Government Aided Institution, Institute under **TEQIP(Autonomous)**, Gulbarga, Karnataka -585105	2011

Work Experience

S.No.	Organizations	Designations	Academic Year	Duration in Years and Months
1	National Institute of Technology, Srinagar (NITS), Jammu and Kashmir	Assistant Professor **(7000 AGP)**	04/08/2022 to till date	**(4 years)** 48 Months

2	National Institute of Technology, Srinagar (NITS), Jammu and Kashmir	Assistant Professor **(6000 AGP)**	24/03/2021 to 03/08/2022	**(1 Year 4 Months)** 16 Months
3	Basaveshwar Engineering College, State Government Aided Institution, Institute under TEQIP(Autonomous) Bagalkot, Karnataka	Associate Professor (9000 AGP)	4thOctober 2018 to 15th March 2021	**(2 Years 5 Months)** 29 Months
4	Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi Pune, Maharashtra	Assistant Professor	August-2017 to September-2018	13 Months
5	National Institute of Technology Karnataka (NITK), Surathkal, Mangalore, Karnataka	Research Scholar	July 2014-August 2017	37 Months
6	Veerappa Nisty Engineering college Shorapur, Dist.Yadagiri Karnataka	Assistant Professor	July-2013 to July- 2014	12 Months

Subjects Taught for UG and PG

UG courses- (12) Elements of civil engineering, Strength of material, Structural analysis, Building materials and constructions, Concrete Technology, Engineering Mechanics, Construction Management, Design of RCC structures, Civil Engineering Drawing. Disaster Management, Design of Steel Structures. Building materials and concrete technology. Structural Dynamics.

PG courses- (07) Design of Bridges, Advanced Design of RCC structures, Earthquake resistant design of structures, Construction Management, Prestressed Concrete Structures, Repair and rehabilitation of structures, Advanced concrete technology.

UG laboratory-(06) Concrete Testing Lab, Highway Materials Lab, Construction and Building Materials Lab, Strength of Materials Lab, Structural Analysis Lab-II. Structural Analysis Lab-I.

PG laboratory – (01) Structural Engineering Lab

Project Supervisor

Course	Ongoing	Completed
Undergraduate Projects (UG	**02 (Batch)**	**14 (Batches)**
Post-Graduation Projects PG)	**02**	**15**
Doctor of Philosophy (PhD.)	**03**	**1**

Publications in International Journals – 19

1) **Parameshwar Hiremath,** Salik Ul Qumer, and Faizan Imtiyaz. "Using epoxy resin and silica fume together to increase the durability of concrete." Physics and Chemistry of the Earth, Parts A/B/C (2026): 104745. (DOI: 10.1016/j.pce.2026.104745) **(SCI: Q1 Journal: Impact factor 4.6)**
2) Mir Rafiq & **Hiremath, P. N**. (2026) "Durability and Performance Evaluation of Eco-Efficient Concrete Blocks Incorporating Industrial Waste Materials", Journal of Structural Design and Construction Practice (ASCE). (DOI: 10.1061/JSDCCC/SCENG-2312) **(SCI: Q1 Journal: Impact factor 2.1)**
3) Mir Rafiq & **Hiremath, P. N**. (2026). Development of eco-efficient concrete using supplementary cementitious materials, waste aggregates, crumb rubber, and fibres. International Journal of Sustainable Building Technology and Urban Development, 17(1), 95–117. (DOI: https://doi.org/10.22712/susb.20260007) **(Scopus: Q3: Impact Factor: 1. 10)**
4) **Parameshwar H.,** A. B. Parray, A. Hassan; P Kankeri**, (2024),** "Acid Durability of Fly Ash, GGBS, Quarry Dust and RCA based Green-Concrete" ***Practice Periodical on Structural Design and Construction. ASCE***, (accepted). **(SCI: Q1 Journal: Impact factor 2.1) (DOI: https://doi.org/10.1061/PPSCFX/SCENG-1499.**
5) **Parameshwar N. Hiremath, (2024)** "Performance of reactive powder concrete with different fiber varieties at higher temperatures and retention periods" **Magazine of Concrete Research**,Vol.76, Issue 4, **ICE Virtual Library (SCI: Q2 Journal: Impact factor 2.67) (DOI: https://doi.org/10.1680/jmacr.23.00191)**
6) **Parameshwar N. Hiremath,** Subhash C. Yaragal, **(2023).** Performance of polypropelene and polyester fibres-reinforced reactive powder concretes at elevated temperatures. **Construction and Building Materials**, 373, 130862. **(ELSEVIER) (SCI: Q1 Journal: Impact factor 8.0) (DOI: https://doi.org/10.1016/j.conbuildmat.2023.130862) .**
7) **Parameshwar N. Hiremath,** Subhash C. Yaragal, **(2017).** Influence of mixing method, speed and duration on the fresh and hardened properties of Reactive Powder Concrete. **Construction and**

Building Materials, 141, 271-288. **(ELSEVIER) (SCI: Q1 Journal: Impact factor 8.0) (DOI: https://doi.org/10.1016/j.conbuildmat.2017.03.009).**

8) **Parameshwar N. Hiremath,** Subhash C. Yaragal **(2017)** "Effect of different curing regimes and durations on early strength development of Reactive Powder Concrete" **Construction and Building Materials,** 154, 72-87. **(ELSEVIER) (SCI: Q1 Journal: Impact factor 8.0) (DOI: https://doi.org/10.1016/j.conbuildmat.2017.07.181).**

9) **Parameshwar N. Hiremath,** Subhash C. Yaragal **(2018)** "Performance evaluation of Reactive Powder Concrete with polypropelene fibers at elevated temperatures." **Construction and Building Materials**, 169, 499-512. **(ELSEVIER) (SCI: Q1 Journal: Impact factor 8.0). (DOI: https://doi.org/10.1016/j.conbuildmat.2018.03.020)**

10) **Parameshwar N Hiremath,** H P Thanu, S N Basavana Gowda, Sharan Kumar Goudar **(2019)** "Early Strength Development of Blended Concrete under Different Curing Conditions, **Emerging Materials Research**. Volume 09, Issue 1, pp.1-8. **(SCI: Q3 Journal: Impact factor 1.1) (DOI: https://doi.org/10.1680/jemmr.19.00066)**

11) **Parameshwar Hiremath**, Subhash C Yaragal **(2016)** "Investigation on Mechanical Properties of Reactive Powder Concrete under Different Curing Regimes" **Materials Today proceedings** 4, 9758–9762. **(ELSEVIER) (SCI: Q2Journal: Impact factor 1.72). (DOI:https://doi.org/10.1016/j.matpr.2017.06.262)**

12) Shriraksha Javali, A. R. Chandrashekar, Sujay Raghavendra, Naganna, D. S. Manu, **Parameshwar Hiremath** H. G. Preethi, N. Vinod Kumar **(2017)** "Eco-concrete for sustainability: utilizing aluminium dross and iron slag as partial replacement materials". **Clean Technologies and Environmental**,Vol-19 pg.no- 2291-2304. **(SPRINGER) (SCI: Q1 Journal: Impact factor 4.7). (DOI: https://doi.org/10.1007/s10098-017-1419-9)**

13) **Parameshwar Hiremath**, Subhash C Yaragal, **(2015)** "Mechanical Properties of Reactive Powder Concrete at Different Curing Regimes" International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 19. **(SCOPUS)**

14) Mailar, G., Sujay Raghavendra, N., **Parameshwar Hiremath**, Sreedhara, B. M., & Manu, D. S. **(2017).** Sustainable utilization of discarded foundry sand and crushed brick masonry aggregate in the production of lightweight concrete. **Engineering Structures and Technologies**, 9(1), 52-61. **(Taylor and Francis) (SCOPUS) (DOI: https://doi.org/10.3846/2029882X.2017.1279987)**

15) Mailar, G., Raghavendra, S**., Parameshwar Hiremath,** Sreedhara, B. M., Manu, D. S & Jayakesh, K. **(2016).** Investigation of concrete produced using recycled aluminium dross for hot weather

concreting conditions. **Resource-Efficient Technologies**, 2(2), 68-80. **(ELSEVIER) (SCOPUS: 1.72 Impact Factor) (DOI: https://doi.org/10.1016/j.reffit.2016.06.006)**

16) Bushra Bashir, Navdeep Singh and **Parameshwar Hiremath (2023),** "Performance of Plastic-Coated aggregates along with Epoxy Resin in Aggressive Environment" **Recent Trends in Civil Engineering & Technology**, ISSN: 2321-6476, Volume 13, Issue 2, 2023. (**Advanced Science Index Impact Factor: 6.185) (DOI: https://doi.org/10.37591/rtcet.v13i2.7359).**

17) **Parameshwar Hiremath**, **(2023)** "Modal Analysis of Conventional RCC Structure With Steel Bracing", **International Journal of Structural Engineering and Analysis**, ISSN: 2456-5326, Vol 9, Issue:1, Pg. No:47-61, **(Advanced Science Index: Impact Factor: 6.051) (DOI: https://doi.org/10.37628/jsea.v9i1.816)**

18) **Dr. Parameshwar**, Mr. Adil Hussain Tantray, **(2023)"** Comparison of Conventional RCC Columns, Steel Columns and Composite Columns", **Journal of Structural Engineering and Management**, ISSN: 2393-8773, Volume 10, Issue 3, Pg.No:35-44. **(Advanced Science Index: Impact Factor: 6.048) (DOI: https://doi.org/10.37591/josem.v10i3.7534)**

19) **Parameshwar Hiremath**, Anurag Misra, Bushra Bashir, Jitendra Gurjar **(2025)** " Durability studies of Recycled Aggregate Concrete having Aggregates coated with Plastic Immersed in Epoxy Resin" Vol 25 , Issue 4, Page No.44-57, **ICI Journal Indian Concrete Institute**.

Book : 01

1) Dr. Parameshwar N Hiremath ; Pro. Vinodkrishna M.Savadi; Santosh R; Kavya MPM, Concrete Technology: Materials, Properties, and Design (2026) ISBN: 978-93-7880-368-0. Chyren Publication.

Book Chapters: 05

1) SS Awanti, A Habbal, **P N Hiremath**, S Tadibidi, SN Hallale**.(2013)** "Characterization of stone matrix asphalt with cellulose and coconut fiber", Advance in Civil Engineering and Building Materials; Chang, S., al Bahar, SK, Zhao, J., Eds. pp.no 639-642. (**Book Chapter) (Taylor and Francis) (SCOPUS)**

2) **Parameshwar N. Hiremath**, K. Jayakesh, Roshan Rai, N. Sujay Raghvendra and Subhash C. Yaragal. **(2018)** "Experimental Investigation on Utilization of Waste Shredded Rubber Tire as a Replacement to Fine Aggregate in Concrete" Sustainable Construction and Building Materials,

ISBN: 978-981-13-3316-3, Book ID: 470623_1_En, 2018. (https://doi.org/10.1007/978-981-13-3317-0_49) **(Springer Book) (SCOPUS)**

3) Subhash C. Yaragal, **Parameshwar N. Hiremath**, M. Manoj Kalyan, Devesh Kumar, and P. P. Shiji (**2022)** ''Performance of Recycled Coarse Aggregate Concretes with Basalt Fibersat Elevated Temperatures ''Recent Developments in Sustainable Infrastructure (ICRDSI-2020)–Structure and Construction Management, Lecture Notes in Civil Engineering 221, pp.no: 771-789 https://doi.org/10.1007/978-981-16-8433-3_64. **(Springer Book) (SCOPUS)**
4) Subhash C. Yaragal Parameshwar Hiremath (2025) "An Experimental Investigation on the Performance of Green Concrete Mixes" Sustainable Built Environments: Challenges and Innovations. Lecture Notes in Civil Engineering ((LNCE, volume 666) https://link.springer.com/chapter/10.1007/978-981-96-7971-3_20 **(Springer Book) (SCOPUS)**
5) Parameshwar Hiremath, Subhash C. Yaragal, R. Sagadevan, Gaurav Kumar & Sake Govardhan (2025) "An Investigation on Epoxy Resin-Coated Recycled Aggregate Concrete", Sustainable Built Environments: Challenges and Innovations. Lecture Notes in Civil Engineering ((LNCE, volume 666) https://link.springer.com/chapter/10.1007/978-981-96-7971-3_20 **(Springer Book) (SCOPUS).**
6) Goudar, S. K., Basavanagowda, S. N., Tamburi, V., Hiremath, P. N., & Thanu, H. P. (2024, April). Condition Assessment and Service Life Prediction of Existing Bridge by Using LIFE-365 and Mathematical Model. In International Conference on Sustainable Infrastructure: Innovation, Opportunities and Challenges (pp. 167-186). Singapore: Springer Nature Singapore.

Publication in International and National Conference - 26

1) SN Awanti, S.S., Habbal, A., **P.N. Hiremath,** Tadibidi, S., Hallale "Characterization of stone matrix asphalt with cellulose and coconut fiber" International Conference on Civil Engineering and Building Materials, CEBM **(2012).**
2) **Parameshwar Hiremath**, Subhash C. Yaragal "Mechanical properties of Reactive Powder Concrete at different curing regimes" International conference on Advanced Engineering and Technology for Sustainable Development (ICAETSD 2015) on 5th to 6th **March 2015** at Karpagam college of engineering Coimbatore.
3) **Parameshwar Hiremath**, Subhash C. Yaragal "Compressive Strength of Reactive Powder Concrete Under Different Steam Curing Conditions" International Conference on Sustainable Energy and Built Environment, (ICES'15), 12th to 13th March 2015 at VIT University, Vellore.

4) **Parameshwar Hiremath**, Subhash C. Yaragal "Investigation on Mechanical Properties of Reactive Powder Concrete under Different Curing Regimes" International Conference on Recent Trends in Engineering and Material Science (ICEMS-2016) organized by Jaipur National University, Jaipur during 17th to 19th **March 2016.**
5) **Parameshwar Hiremath,** Sharan Kumar and Sujay Raghavendra N, Jayakesh K. "Investigation of Mechanical Properties of Concrete Replaced with Bottom Ash". Proceedings of National Level Conference on Advanced Trends in Civil Engineering and Sustainable Development, 26th – 27th **Feb 2016**, MITE, Moodbidri, Karnataka.
6) **Parameshwar N. Hiremath**, K. Jayakesh, Roshan Rai, N. Sujay Raghvendra and Subhash C. Yaragal "Experimental Investigation on Utilization of Waste Shredded Rubber Tire as a Replacement to Fine Aggregate in Concrete" International Conference on Sustainable Construction and Building Materials 2018, at National Institute of Technology Karnataka, Surathkal during June 18-22, **2018.**

7) **Parameshwar N. Hiremath,** Subhash C. Yaragal (**2019)** "Study on combined effect of fibers in reactive powder concrete at elevated temperatures" PROTECT 2019: 7th International Colloquium on Performance, Protection & Strengthening of Structures Under Extreme Loading & Events, September 16–17, PROTECT 2019, Whistler, BC, Canada.
8) **Parameshwar N. Hiremath**, Faizan Imtiyaz, K. S. Kulkarni, Jayakesh .S, Anoop I Shirkol **(2023)** "Durability Studies on Different Grades of Concrete Added with Epoxy Resin and Silica Fume under various Environmental Conditions"in International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, 2023, at National Institute of Technology Karnataka, Surathkal.
9) Mohd Rafiq Mir, **Parameshwar N. Hiremath** "Durability and Seismic Performance of Unreinforced Brick Masonry Structures – A Review" in International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, **2023,** at National Institute of Technology Karnataka, Surathkal.
10) Abdul Basit Parray, **Parameshwar N. Hiremath**, "A review on Durability Studies of Green Concrete" in International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, **2023,** at National Institute of Technology Karnataka, Surathkal.

11) Basavana Gowda S N, Rajasekaran C, Subhash C. Yaragal and **Parameshwar N Hiremath**," Development and performance evaluation of Lateritic fine aggregate based Recycled Aggregate Alkali Activated Concrete mixes", in International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, **2023,** at National Institute of Technology Karnataka, Surathkal.

12) Apoorva Ajit Upadhye, K. S. Kulkarni and **Parmeshwar Hiremath**," Evaluation of Thermally Deteriorated Geopolymer Concrete using Impact Echo Technique", in International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, **2023,** at National Institute of Technology Karnataka, Surathkal.

13) Dr. Prema Tengli, Dr. Vinod N T, **Dr. Parmeshwar Hiremath**," Assessment of natural coagulation flocculation aids for the removal of suspended solids from the dairy industry effluent discharge", in International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, **2023,** at National Institute of Technology Karnataka, Surathkal.

14) Sruthi J S, Bush R C, Bapugouda B Biradar , Rohit Vyas **,Parameshwar N. Hiremath**, Anoop I Shirkol, " A Critical Review on Effective Stiffness of Rectangular and Non-Rectangular Shear Walls" in International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, **2023**, at National Institute of Technology Karnataka, Surathkal.

15) Bapugouda B. Biradar, Manjunath Bakale , Bush R C, Rohit Vyas , **Parameshwar N. Hiremath**, Anoop I. Shirkol, " Comparing Conventional Design Method with Performance Based Plastic Design Method for RC Moment Resisting Frame" in International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, **2023**, at National Institute of Technology Karnataka, Surathkal.

16) Varsha Rani, Bush R C, Bapugouda B Biradar, Rohit Vyas, **Parameshwar N. Hiremath**, Anoop I Shirkol. "Seismic Vulnerability Evaluation of RC Building Built in India's Hilly Region" in International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, **2023**, at National Institute of Technology Karnataka, Surathkal.

17) Bapugouda B. Biradar, Chetan Manyooli, Basanagouda I. Patil, Bush R C, **Parameshwar N. Hiremath**, Anoop I. Shirkol " Bionics in Civil engineering Structures; A study of stiffening ribs inspired by leave veins" in International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, **2023**, at National Institute of Technology Karnataka, Surathkal.

18) Subhash C. Yaragal, **Parameshwar N Hiremath,** M. Manoj Kalyan, Devesh Kumar, and P. P. Shiji "Usage Potential of Recycled fine aggregate in mortars and concrete" in International

Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, **2023,** at National Institute of Technology Karnataka, Surathkal.

19) Rayees Ahmad Wani**, Parameshwar N. Hiremath**, Leela Manohar Aeshala, Procedure for the Removal of Mortar from Recycled Aggregates through Physical and Chemical Processes- A Review, Indian Institute of Chemical Engineers December 27-30, **2023**, Heritage Institute of Technology, Kolkata.

20) **Parameshwar,** Sandeep Samantaray, Abinash Sahoo, **(2024)** "Sediment load prediction using combining Wavelet Transform and Least Square Support Vector Machine", 8th International Conference on Information System Design & Intelligent" on 3-1-24 to 4-1-24 (ISDIA 2024) for conference Proceedings.

21) **Parameshwar Hiremath**, Subhash C Yaragal, Sagadevan R, Gaurav Kumar, Sake Govardhan**, (2024)** An Investigation on Epoxy Resin-Coated Recycled Aggregate Concrete "International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges" on 30th of April & 01st of May 2024 (SIIOC-2024), at NITK Surathkal, Mangalore.

22) **Parameshwar Hiremath**; Subhash C. Yaragal; Rohit Kumar Pandey; Aaqib Sediq **(2024)** "An Experimental Investigation on the Performance of Green Concrete Mixes" International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges" on 30th of April & 01st of May 2024 (SIIOC-2024), at NITK Surathkal, Mangalore.

23) **Parameshwar Hiremath**, Anurag Misra, Salik Ul Qumer, Mohd Rafiq Mir **(2025)** " Concrete Durability in Different Environments: High-Strength, High-Performance, Ultra-High-Performance " International Conference on Sustainable Materials and Infrastructure 2025 (ICSMI), 16-18 December 2025, IIT JAMMU, INDIA .

24) Ashfaque Majeed, Daud Ahmad, **Parameshwar (2025)** "Mechanical Properties of Lightweight Green Concrete" International Conference on Sustainable Materials and Infrastructure 2025 (ICSMI), 16-18 December 2025, IIT JAMMU, INDIA

25) **Parameshwar Hiremath**, Salik Ul Qumer, Sharankumar Gouda, Basavan Gouda S N **(2025)** "An experimental investigation of the impact of recycled aggregates, marble powder, ground granulated blast-furnace slag (GGBS), and basalt fibre on the characteristics of SCC" 2nd International Conference on Recent Advances in Infrastructure Development 2.0 February 11 - 13, 2026 National Institute of Technology Calicut.

26) **Parameshwar**, Manoj Kumar H R, Thanu H P **(2025)** "Experimental Investigation on Rubbeurised Green Concrete" 2nd International Conference on Recent Advances in Infrastructure Development 2.0 February 11 - 13, 2026 National Institute of Technology Calicut.

Patent

1) Title: A Method of mixing for producing High-Performance Reactive Powder Concrete
Patent Number: **202511107959** ; Patent Published date: **26/12/2025**

Total Citations

Research Platforms	Citations	H-index	I-index
Google Scholar	**852**	**11**	**12**
Scopus	**558**	**08**	**-**
Web of Science	**419**	**06**	**-**
Research Gate	**763**	**11**	**-**

Collaborative Research Projects

Sl. No	Title of Research Topic	Duration	Sponsored Agency	Amount (in Lacks)	Number of Co-investigators	Status
1	Collaborative Research and Capacity Building on Climate Resilient Concrete for Marine Environment	01/04/2019 to 5/03/2023	Royal Academy of Engineering, United Kingdom	**45,33,648/-**	05	**Completed**
2	Comparative Study on the Durability of Conventional Concrete, HPC Environment Conditions	July 2020-Augst 2021	Student Project Programme - 44th Series-KSCST 2021	**6,000 /_**	01	**Completed**

Consultancy Projects

Type of work	Number of Consultancy Projects	Total Cost of Projects
Mix Design of Concrete Testing of steel and concrete.	34	**Rs. 25,79,520/_**
Ongoing Consultancy work	04	**Rs. 3,30,000 /_**

National Programme on Technology Enhanced Learning (NPTEL) Certificates (06)

Sl. No	Title of Course	Credits	Date	Duration
1	Hydration, Porosity, Strength of Cementations Material	02	Feb-March 2018	8 weeks
2	Concrete Technology	03	July–October 2018	12 Weeks
3	Advanced topics in Science and Technology Concrete	01	Jan-Feb 2019	4 Weeks
4	Sustainable Materials and Green Buildings	03	July-October 2019	12 Weeks
5	Characterization of Construction Materials	03	Jan-May 2020	12 Weeks
6	Design of Steel Structures	03	July-Oct-2020	12 Weeks

National Initiative for Technical Teachers Training (NITTT) Certificates (08)

Roll Number:10033507 **NITTT ID: 20202113130**

Sl. No	Title of Course	Duration	Status
1	NITTTS1M1-Module 1_Orientation Towards Technical Education and Curriculum Aspects	September- December 2020	Qualified
2	NITTTS1M2-Module 2_Professional Ethics & Sustainability	September- December 2020	Qualified
3	NITTTS1M3-Module Communication Skills, Modes & Knowledge Dissemination	March-July 2021	Qualified
4	NITTTS1M4-Module 4_Instructional Planning and Delivery	March-July 2021	Qualified
5	NITTTS1M5-Module 5_Technology Enabled Learning & Life Long Self Learning	March-July 2021	Qualified
6	NITTTS1M6-Module 6_Student Assessment and Evaluation	October-December 2021	Qualified
7	NITTTS1M7-Module 7_Creative Problem Solving, Innovation and Meaningful R & D	October-December 2021	Qualified
8	NITTTS1M8-Module 8_Institutional Management & Administrative Procedures	October-December 2021	Qualified

Reviewer for the following International /National Journals,

1) "Construction and Building Materials", ELSEVIER (SCI), United Kingdom.
2) "Engineering and Applied Science Research" EASR, (SJR), Thailand.
3) "Indian Concrete Journal", ICJ, India.
4) Journal of Naval Architecture and Marine Engineering, Association of Naval Architects and Marine Engineers (ANAME), Dhaka, Bangladesh
5) The Journal of Construction, Revista de la Construcción. Journal of Construction (RDLC) is an international scientific journal.
6) International Journal of Systems Assurance Engineering and Management (IJSA)
7) Journal of Facilities Management, Emerald Publishing Limited
8) Innovative Infrastructure Solutions, Springer
9) Emerging Materials Research, ICE journal
10) Cleaner Waste Systems, Elsevier
11) Material Today, Elsevier
12) Water Science and Technology, Elsevier
13) Journal of Sustainable Chemistry and Pharmacy, Elsevier

Reviewer for the following International /National Conferences

1) 2nd International Conference on Sustainable Construction Technologies and Advancements in Civil Engineering-2021
2) Two Days ONLINE International Conference on Advances in Construction Technology and Management (ACTM – 2021)
3) 2nd International Conference on Materials, Mechanics & Structures (ICMMS 2022)
4) Conference Review Committee (CRC) Member towards 3rd International Virtual Conference on Sustainable Construction Technologies & Advancements in Civil Engineering, ScTACE 2022.
5) 2nd National Conference on Advances in Construction Management – 2022 (ACM2022), during May 21-22, 2022.
6) Invitation for Innovation in Smart and Sustainable infrastructure (ISSI)-2022, being organised at PDEU, Gandhinagar from 23rd August - 25th August 2022.

Membership

1) Life Member of "The Indian Society for Technical Education" ISTE, India (LM121446 Year :2018)
2) Life member of Indian Concrete Institute (2023) (Member Ship Number: 14206)
3) Currently working as Hon. Secretary ICI-J&K Centre (2025-2027 Term).

Organisation Committee member for International conference / National workshop/STP/ME

1) **Organisation Committee member**, 10th International Symposium on Lowland Technology (ISLT 2016), on 15th to 16th September 2016, Mangalore, Organised by NITK Surathkal and the International Association of Lowland Technology.
2) **Organisation Committee member** Workshop on Design and Development of Sustainable Concrete in the Era of Global Warming 9th & 1oth January 2017 Department of Civil Engineering National Institute of Technology Karnataka, Surathkal, Karnataka.

3) **Coordinator of State-level** "One-week skill development program on Sustainable materials used in construction" for faculty and students, Dr. D. Y. Patil Institute of Engineering, on 11 to 15/6/2018, Management & Research, Akrudi, Pune-Maharashtra
4) **Organizing Secretary** for the International Conference on "Climate Resilient Construction and Building Materials (ICCRCBM - 2023) during March 3rd – 5th, 2023, at the National Institute of Technology Karnataka, Surathkal.

Areas of Research Interest

- Investigation on Production guidelines for Ultra-High-Performance Concrete or Reactive Powder Concrete (RPC) in India.
- Sustainable Self-Compacting Concrete.
- Recycled aggregate based concrete with value added materials.
- Performance evaluation of light weight concrete using locally available materials.
- Prefabricated constructions using sustainable construction materials.
- Structural behavior of special concretes under elevated temperatures.

Significant Outreach Activity = 18

Sl. No	Name of Activity	Role	Organization	Date
1.	Poster and Model Exhibition of First Year Students	Coordinator	Dr. D. Y. Patil Institute of Engineering, Management & Research, Akrudi, Pune-Maharashtra	15/11/ 2017
2.	Structural design Model exhibition for students	Coordinator	Dr. D. Y. Patil Institute of Engineering, Management & Research, Akrudi, Pune-Maharashtra	26/03/2018
3.	State level "One-week skill development program on Sustainable materials used in construction" for faculty and students	Coordinator	Dr. D. Y. Patil Institute of Engineering, Management & Research, Akrudi, Pune-Maharashtra	11-15/6/2018 (Five days)
4.	One day "Technical tour to Dalmia Cement Plant Yadawad for final year students"	Coordinator	Basaveshwar Engineering College, (Autonomous) Bagalkot Karnataka	07/08/2019
5.	Guest lecture on "Application of multi satellite data in water resource and agriculture"	Coordinator	Basaveshwar Engineering College, (Autonomous) Bagalkot Karnataka	21/08/2019
6.	Technical seminar on "Introduction on green building and modern construction techniques"	Coordinator	Basaveshwar Engineering College, (Autonomous) Bagalkot Karnataka	23/11/2019

7.	Technical seminar on "Manufacture of White Cement and its allied products"	Coordinator	Basaveshwar Engineering College, (Autonomous) Bagalkot Karnataka	12/11/2019
8.	FDP on "Advances in Concrete and Construction Technology"	Resource Person	SECAB Institute of Engineering and Technology, Vijayapur.	05/02/2020
9.	Webinar on "Recent Advances in Concrete Technology"	Resource Person	JSPM's Imperial College of Engineering and Research, Wagholi, Pune.	08/05/2020
10.	Webinar on "Emerging Advanced Construction materials with Sustainable Development"	Resource Person	Vaanahaa Education and Innovation Labs Private Limited, Kolkata-700024	17/05/2020
11.	Guest lecture on "Emerging Advances Construction materials with Sustainable Development"	Resource Person	Dr. D. Y. Patil College of Engineering, Akrudi Pune-44	06/07/2020
12.	Guest lecture on "Emerging Advances Construction materials with Sustainable Development"	Resource Person	Rajershi Shahu College of Engineering (An Autonomous Institute) Pune-411033	10/07/2020
13.	Webinar on "Entrepreneurial Mind set"	Coordinator	BEC, Bagalkot And Vaanahaa Education and Innovations Labs.	09/08/2020
14.	VTU RGS Presentation	Research Grant Commission **Panel Member** 2021	VTU- Research Grant Commission 2021	29 & 30/9/2021
15.	AICET STP on Disaster Mitigation	Resource Person	Department of Civil Engineering NIT Srinagar Jammu and Kashmir	13th to 18th June 2022
16.	G-20 Life style awareness	Resource Person	Unnat Bharat Abhiyan NIT Srinagar Jammu and Kashmir	08/05/2023
17.	Webinar Series of Guest Lecture	Resource Person	Dr. D. Y. Patil College of Engineering, Akrudi Pune-44	27/06/2023
18.	Visiting Faculty	Resource Person	Gati Shakti Vishwavidyalaya "A Central University under the Ministry of Railways" Govt of India	18/08/2023 to 12/12/2023

Responsibilities Held in Department / Institute Level = 22

S. No	Activity	Institute
1	Industry Institute Interaction Cell (IIIC) Coordinator under TEQIP -III.	Basaveshwar Engineering College Bagalkot
2	Incharge faculty for Servo Controlled Compression Testing of 3000 kN capacity with flexural test setup for Structural Engineering Laboratory under TEQIP-III.	Basaveshwar Engineering College Bagalkot
3	Project Implementation Group Member for "Fund for Improvement of S&T Infrastructure (FIST)" 2019 under MHRD.	Basaveshwar Engineering College Bagalkot
4	NBA for Undergraduate engineering programs – Criteria 7: Faculty Contribution	Basaveshwar Engineering College Bagalkot
5	NBA for Postgraduate engineering programs-Preparation of SAR	Basaveshwar Engineering College Bagalkot
6	Departmental organizing committee member for Board of Studies.	Basaveshwar Engineering College Bagalkot
7	Internship coordinator for UG	Basaveshwar Engineering College Bagalkot
8	Internship coordinator for PG	Basaveshwar Engineering College Bagalkot
9	Monthly Activity report coordinator	Basaveshwar Engineering College Bagalkot
10	Institute Research Committee Review Member	Basaveshwar Engineering College Bagalkot
11	CAD Laboratory Incharge	National Institute of Technology, Srinagar (NITS)
12	Departmental TLR Coordinator for NIRF data	National Institute of Technology, Srinagar (NITS)
13	NBA for Undergraduate engineering programs – Criteria 2: Program Curriculum and Teaching – Learning Processes	National Institute of Technology, Srinagar (NITS)
14	Structural Dynamics Lab Incharge	National Institute of Technology, Srinagar (NITS)
15	**Faculty Incharge for Civil Engineering Student Association (CESA)**	National Institute of Technology, Srinagar (NITS)
16	Departmental Examination Coordinator	National Institute of Technology, Srinagar (NITS)
17	**Faculty Coordinator: Movie Club Student's Gymkhana**	National Institute of Technology, Srinagar (NITS)
18	**Institute Faculty IN charge of Parks and Gardens Sections**	National Institute of Technology, Srinagar (NITS)
19	**Institute Hostel Warden of Chenab Block**	National Institute of Technology, Srinagar (NITS)

20	Departmental VI Semester Coordinator	National Institute of Technology, Srinagar (NITS)
21	Departmental V Semester Coordinator	National Institute of Technology, Srinagar (NITS)
22	Departmental Internship Coordinator	National Institute of Technology, Srinagar (NITS)
23	NHAI Nodal Officer	National Institute of Technology, Srinagar (NITS)

Workshops / Faculty Development Programme/ Gain Course/ STP / ICT, Attended = 27

Sl. No	Event type	Title of Event	Venue	Date	Duration (Days)
1	Workshop	Introduction of effective technical writing using LaTex	Department of Mechanical Engineering, Basaveshwar Engineering College, Bagalokot	5th to 9th March 2013	05
2	Faculty Development Program	Research Methodologies	Department of Electronics and Communication Engineering B.V. Bhoomaraddi College of Engineering and Technology Hubli-	13th to 15th February 2014	03
3	Workshop	Author workshop	Visvesvaraya Technological University, Belgam and Springer at Central college city campus Bangalore University-	13th March 2014	01
4	International workshop	Civil Infrastructure and Structural Materials	Department OF Civil Engineering NITK Surathkal, INDIA and jointly organized by Department of Civil and Environmental Engineering Michigan State university, U.S.A.	28th to 29th July 2014	02
5	Workshop	Research Methodology and Structural Equation Modeling	Department of Humanities, Social and Management NITK, Surathkal, Mangalore	16th November 2014	01
6	National workshop	Linuo and FOSS (Free Open Source Software)"	Department of Mathematical and Computational Science,	from 9th to 10th May 2015	02

			NITK Surathkal, Mangalore		
7	Workshop	Design and Development of Sustainable Concrete in the Era of Global Warming	Department of Civil Engineering, NITK, Surathkal, Mangalore	9th to 10th January 2017	02
8	Short Term Program	Human Values and Professional Ethics	Department of Electronics and Telecommunication Engineering Department Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi Pune, Maharashtra	11th to 15th December 2017	05
9	GIAN	Concrete Microstructure Characterization	Department of Civil Engineering, NITK, Surathkal, Mangalore	18th to 22nd June 2018	05
10	Short Term Course	Systems Thinking	Basaveshwar Engineering College, (Autonomous) Bagalkot	12th October to 30th November 2018	50
11	National Symposium	Geotechnical for Sustainable Infrastructure Development	Basaveshwar Engineering College, (Autonomous) Bagalkot	26th-27th July 2019	02
12	GAIN	Design of Concrete Structures Reinforced with Fiber Reinforced Polymer (FRP) Bars	National Institute of Technology Karnataka, (NITK), Surathkal, Mangalore	29th July-2nd August 2019	05
13	Workshop	NPTEL Workshop	Basaveshwar Engineering College, (Autonomous) Bagalkot	29th Nov.2019	01
14	Workshop	Publishing Research in High Quality Journals	Basaveshwar Engineering College, (Autonomous) Bagalkot	19th Dec 2019	01
15	Faculty Development Program	Current Practice and Critical Issues for OBE in Engineering Education /Institutes	Basaveshwar Engineering College, (Autonomous) Bagalkot	27th Jan to 7th Feb 2020	12
16	Short Term Course	Digital Transformation in Teaching Learning Process	Indian Institute of Technology Bombay (IITB)	6th April to 22 April 2020	12

17	Short Term Course	Operational Research -An Introduction	Department of Applied Science NITTTR Chandigarh	20th April to 24th April 2020	05
18	Workshop	Examination Reforms	Basaveshwar Engineering College, (Autonomous) Bagalkot	29th and 30th April 2020	02
19	Short Term Course	Introduction of Accreditation Mechanism-NBA Approach	Information and Communication Technology NITTTR Kolkata	4th to 8th May 2020	05
20	Short Term Course	Understanding Project Management Basics	Department of Entrepreneurship Development and Industrial Coordination NITTTR Chandigarh	27th to 1st May 2020	05
21	Information and Communication Technology	Concept Mapping in Teaching Learning	Department of Mechanical Engineering, NITTTR Kolkata	27th April to 1st May 2020	05
22	Faculty Development Program	Latex	RMD Sinhgad School of Engineering in Association with Spoken Tutorial Project, IIT Bombay	28th April to 2nd May 2020	05
23	Short Term Course	NAAC Awareness Program for the faculty	Marathwada Mitra Mandal Institute of Technology (MMIT), Lohgaon, Pune - 47	8th May to 15th May 2020	07
24	Faculty Development Program	Advanced Construction Technology	Department of Civil Engineering, NITTTR Chandigarh	18/05/2020 to 22/05/2020	07
25	Faculty Development Program	FDP on Current Research Avenue in Civil Engineering	Department of Civil Engineering, Tontadarya College of Engineering, Gadag	29th May to 31st May 2020	03
26	Short Term Course	Prospects of infrastructure development in the Construction Sector	Department of Civil Engineering, Dr. B.R. Ambedkar NIT Jalandhar	22th -26th May 2023	05
27	Short Term Course	Sustainable and Durable Green Concrete: Future and Applications	Department of Civil Engineering, Dr. B.R. Ambedkar NIT Jalandhar	18th-22nd Dec 2023	05

B.E. Project: 2010-2011

Project Title: "Characterization of Stone Matrix Asphalt with Coir and Cellulose Fibers for Surface Course**".**

Stone matrix asphalt (SMA) is a gap-graded mix with a high percentage of coarse aggregates. In this study, the main objective was to evaluate the effect of using fiber in SMA as stabilizer using conventional Marshall hammer and to compare the properties of the SMA mix with coir fiber and cellulose fiber.

Supervisor: Dr. S.S. Awanti, Professor, PDA Engineering College, Gulbarga, Karnataka.
PDA Engineering College (Autonomous)
Gulbarga, Karnataka.
(NIRF Ranking: Less than 200)
(NAAC='A; NBA Accredited)

M. Tech Project: 2012-2013

Project Title: "Study on the properties of Reactive Powder Concrete using locally available material".

Reactive Powder Concrete (RPC) is a new construction material that is classified under ultra-high-strength concrete. In this study, RPC with compressive strength up to 140 MPa is produced with locally available materials. The performance of RPC is better than that of any normal concrete and high-performance concrete with respect to durability.

Supervisor: Dr. Santosh M. Murnal, Professor, BEC Bagalkot, Karnataka.
Basaveshwar Engineering College (Autonomous)
Bagalkot, Karnataka.
(NIRF Ranking: 191)
(NAAC='A'; NBA Accredited)
(QS Ranking = GOLD)

Ph. D Project: 2014-2017

Project title: "Production and Performance of Reactive Powder Concrete at Elevated Temperatures"

A new production methodology for RPC uses conventional equipment and locally available materials. Early age strength development of RPC under different curing conditions. The performance of plain RPC and fiber-reinforced RPC under elevated temperature, embedded with different types of fibers at different retention periods. The study also includes microstructure analysis of RPC to evaluate microstructural changes in exposed RPC at elevated temperature.

Supervisor: Dr. Subhash C. Yaragal, Professor, NITK Surathkal, Mangalore, Karnataka.
National Institute of Technology Karnataka (NITK),
Mangalore, Karnataka.
(NIRF Ranking: 13)
(NAAC='A^+; NBA Accredited)
(QS Ranking = 63)

Teaching Plans

As a teacher, it is my responsibility to be committed to lifelong learning, engaging myself in new teaching methodologies, increasing communication tools, and resources as an educator, moving beyond conventional teaching methods, and utilizing opportunities to learn and incorporate new teaching tools and strategies in the teaching methodology.

As a supervisor, I mentor undergraduate and postgraduate students by providing continuous support to develop their academic and professional skills, by providing opportunities for students to pursue their professional interests, and by integrating professional competencies throughout the course duration.

Research Plans

As a researcher, my specific area of research interest includes key factors to produce special concretes like Reactive Powder Concrete, Green Concrete, Sustainable Self-Compacting Concrete, Recycled aggregate concrete, and Eco-friendly concrete. In addition, investigation of higher structural properties, establishing relation between them and durability studies on special concretes with characterization techniques such as Scanning Electron Microscope (SEM), Energy Dispersive Spectroscopy (EDS) and X-ray Diffraction (XRD). The overall goal of my research program is to work under the umbrella of sustainable development. There are several industrial wastes that have the potential to replace basic ingredients of concrete and can also be used as value-added materials in the construction of buildings.

Date: 08/09/2026
Place: NIT Srinagar

Yours faithfully

Dr. Parameshwar

INDIAN REFERENCES

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