

Dr. T. PALANISAMY, B.E (Civil), M.E(Struct.), Ph.D. (Struct.), MISTE, MICI.,

Associate Professor,

Department of Civil Engineering,

National Institute of Technology Karnataka (NIT K), Surathkal,

(Institute of National Importance by the Government of India) ,P.O.

Srinivasnagar, Mangalore – 575 025. Karnataka- State, India.

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Personal Details:

1. **Areas of specialization:** Structural Engineering

2. **Area of Interest:**

- Bio – Concrete,
- Concrete Battery,
- Micro-characterisation of the concrete,
- Beam - Column Joint,
- Artificial Intelligent & Machin Learning application in Beam - Column Joint.

3. **Academic Career Record**

| Certificate/ Degree [UG & PG] | Year | School/ College | Board/ University | Class/ Division | Percentage/ CGPA |
|-------------------------------------|------|---|--|----------------------------------|---------------------|
| SSLC | 1993 | Government Higher Secondary School, Olagadam, Erode – Dist. | Department of Government Examinations, Madras. | First Class | 67.00 |
| DCE / Civil Engineering | 1997 | Sakthi Institute of Technology, Sakthinagar, Erode - Dist. Tamilnadu. | Directorate of Technical Education, Chennai, India. | First Class with Honors | 85.16 |
| B.E / Civil Engineering | 2000 | College of Engineering, Erode | Bharathiyar University, Coimbatore.India. | First Class | 70.13 |
| M.E/ Structural Engineering | 2002 | Government College of Engineering, Salem -11. Tamilnadu. | Periyar University, Salem. India. | First Class | 70.13 |
| Ph. D / Civil Engineering | 2009 | Govt. College of Technology, Coimbatore 13. Tamilnadu. | Anna University, Chennai. India. | Awarded | 86.75 |

4. **Academic - Doctoral Degree [Ph.D.] Details**

| Thesis Title | From Date | To Date | Institute / University | Guide / Mentor | Final Viva Voce Date | Award Date |
|--------------|-----------|---------|---------------------------|----------------|-------------------------|------------|
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|---|------------|----------------|--|--|------------|------------|
| Studies on Strength and Durability of High Performance Concrete with Silica Fume and Ground Granulated Blast Furnace Slag as a Mineral Admixtures | 05.01.2005 | September 2008 | Govt. College of Technology, Coimbatore - 13. Tamilnadu / Anna University, Chennai. India. | Dr. T. Meenambal Professor in Civil Engineering, Govt. College of Technology, Coimbatore - 13. | 06.04.2009 | 19.05.2009 |
|---|------------|----------------|--|--|------------|------------|

5. National/State/Others -Test Scores/ Ranks

| Examination | Year | Branch / Area of Specialization | Score | Rank | Percentile |
|--|------|---------------------------------|----------|------|------------|
| GATE - 2001 | 2001 | Civil Engineering | 88.10 | 3274 | 88.10 |
| Tamilnadu Public Service Commission (TNPSC) | 2009 | Civil Engineering | 213/ 250 | 06 | 85.20 |

6. Details Present & Past Employment

| S.N O | Employer | Position Held | Date of Joining | Date of Leaving | No. of Months/ Years | Scale of Pay & GP/AGP (If Applicable) |
|-------|---|---------------------|-----------------|-----------------|----------------------------|---------------------------------------|
| 8 | National Institute of Technology Karnataka, Surathkal, Mangalore – 575 025, Karnataka state, India. | Assoc. Professor | 09.10.2023 | Still woking | - | 37400-64000 + AGP 9500 |
| 7 | National Institute of Technology Karnataka, Surathkal, Mangalore – 575 025, Karnataka state, India. | Asst. Professor | 22.06.2018 | 08.10.2023 | 5 Years 5 months | 15600 – 39100 - AGP 8000 (Grade – I) |
| 6 | I.K. Gujral Punjab Technical University, Punjab state, India.(Govt. of Punjab). | Associate Professor | 19.06.2017 | 18.06.2018 | 1Years 0 months /0 days | 37400-67000+AGP9000 |
| 5 | K.S.R. College of Engineering, Tiruchengode – 637 215. | Professor | 01.11.2014 | 16.06.2017 | 2Years 3 months /9 days | 37400-67000+AGP 10000 |
| 4 | K.S.R. College of Engineering, Tiruchengode – 637 215. | Associate Professor | 01.05.2009 | 31.10.2014 | 5 years / 5 months/ 30days | 37400-67000+AGP 9000 |
| 3 | K.S.R. College of Engineering, Tiruchengode – 637 215. | Asst. Professor | 01.07.2008 | 30.04.2009 | 9 months/ 29 days | 12000-420-18300 |
| 2 | K.S.R. College of Engineering, Tiruchengode – 637 215. | Senior Lecturer | 01.07.2007 | 30.06.2008 | 11 months/ 29 days | 10000-325+ AGP 15200 |
| 1 | K.S.R. College of Engineering, Tiruchengode – 637 215. | Lecturer | 25.11.2002 | 30.06.2007 | 4 years/ 7 months/ 5days | 8000-275-13500 |

7. Total Experience

| | | |
|------------------------------|---|-----------------|
| Teaching Experience | 20 years 11 months as on (01.11.2023) | 21 Years |
| Industrial Experience | 28.04.2000 to 31.12.2000 (8 Months / 3 Days) 01.06.2001 to 21.11.2001 (5 Months / 20 Days) | 1 Year/ 1 Month |

8. Subjects Taught (Last 4 years)

| Title of the Course taught | Year | U.G. / P.G. | Approximate No. of Learners | Institution/University |
|--|------|-------------|-----------------------------|------------------------|
| Non-Destructive Testing and Evaluation for Concrete Structures | IV | UG | 45 | Institution |
| Repair and Rehabilitation of Structures | I | PG | 20 | Institution |
| Design of PSC Structures | IV | UG | 64 | Institution |
| Elements of Surveying | III | UG | 61 | Institution |
| Advanced Design of Steel Structures | I | PG | 26 | Institution |
| Advanced Concrete Technology | I | PG/Ph.D | 19 | Institution |
| Strength of Materials | II | UG | 25 | University |
| Building Materials and Construction | II | UG | 25 | University |
| Structural Analysis | II | UG | 25 | University |
| Fluid Mechanics | II | UG | 25 | University |
| Irrigation Engineering | II | UG | 25 | University |
| CADD for Civil Engineers | I | Ph.D | 05 | University |
| Engineering Mechanics | I | UG | 60 | Institution |
| Engineering Graphics | I | UG | 60 | Institution |
| Strength of materials | II | UG | 60 | Institution |
| Mechanics of Solids | II | UG | 60 | Institution |
| Irrigation Engineering | III | UG | 60 | Institution |
| Asesmic Design of Structures | IV | UG | 60 | Institution |
| Estimating and Cost Engineering | IV | UG | 60 | Institution |
| Structural Dynamics | I | PG/Ph.D | 18 | Institution |
| Finite Element Method | I | PG/Ph.D | 18 | Institution |
| Bridge Engineering | II | PG | 18 | Institution |

9. Research guidance

| Completed | | | Submitted | | Ongoing | | |
|-----------|--------|------|-----------|--------|---------|--------|------|
| Ph.D. | PG (R) | P.G. | Ph.D. | PG (R) | Ph.D. | PG (R) | P.G. |
| 11 | 02 | 20 | - | - | 07 | 02 | 06 |

10. a. Publication details - No. of Papers

| Journal/ Conference | International (Scopus indexed) | National |
|-------------------------|--------------------------------|----------|
| Journal Papers | 29 | 04 |
| Conference Publications | 12 | 26 |

b. Best five papers details

| Author | Title | Journal | Volume | Pages | Year |
|--|--|-----------------------------------|-------------------|---|--|
| Shreyas Alagundi Palanisamy T | Neural network prediction of joint shear strength of exterior beam-column joint | Structures | Vol 37 | Pp: 1002-1018 | 2022 |
| Ajmal Muhammed, Palanisamy Thangaraju | Experimental Investigation on FACA and FACACRETE — An Innovative Building Material | KSCE Journal of Civil Engineering | Vol 23(11) | 4758–4770 | 2019 |
| Senthilkumar V., Palanisamy T. , Vijayakumar V N | Enrichment of compressive strength in microbial cement mortar, | Advances in Cement Research | Vol. 26 Issue 6, | pp 353 – 360 | (2014) SCI* S.No : 254 |
| Senthilkumar, V. Palanisamy, T. , Vijayakumar | Strength characteristics of microbial cement mortars treated in different calcium sources, | Advances in Cement Research | Vol 26, Issue 01. | http://dx.doi.org/10.1680/adcr.14.00002 | (2014) SCI* S.No : 254 |

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|---|--|---|------------------|--------------|---|
| Palanisamy, T, Dineshkumar, G & Shalini, A | Performance evaluation and investigation on mechanical properties of polyester fiber reinforced concrete | Journal of Structural Engineering, CSIR – SERC, | vol.40, no.4, | pp. 420-425. | (2013), Scopus Indexed Journal |
|---|--|---|------------------|--------------|---|

SCI* – Science Citation Index - Journal

11. Books / Chapters Published & E-learning materials Developed

| S.No | Title of the Book | Title of the Chapter | Name of the Author(s) | Published By |
|-------------|---|---|--|--|
| 7 | Proceedings of SECON'22, Lecture Notes in Civil Engineering | Intelligent Modeling for Shear Strength of RC Exterior Beam-Column Joint Subjected to Seismic Loading | B. Swapnil and T. Palanisamy | Page no: 39-53, Springer, Vol 284, ISBN978-3-031-12010-7, https://doi.org/10.1007/978-3-031-12011-4 |
| 6 | Proceedings of SECON'22, Lecture Notes in Civil Engineering | Prediction of Compressive Strength and Workability Characteristics of Self-compacting Concrete Containing Fly Ash Using Artificial Neural Network | Nitesh Netam and T. Palanisamy | Page no: 55-65, Springer, Vol 284, ISBN978-3-031-12010-7, https://doi.org/10.1007/9783-031-12011-4 |
| 5 | Proceedings of SECON'22, Lecture Notes in Civil Engineering | Seismic Analysis of a PSC I Girder Bridge Using Nonlinear Static Method | Ambati Vamsi, Basil Baby, and T. Palanisamy | Page no: 67-80, Springer, Vol 284, ISBN978-3-031-12010-7, https://doi.org/10.1007/978-3-031-12011-4 |
| 4 | Proceedings of SECON'22, Lecture Notes in Civil Engineering | Predicting the Axial Load Carrying Capacity of Columns Reinforced with GFRP Rebars Using ANN Modelling | G. Sumesh Manohar and T. Palanisamy | Page no: 103-113, Springer, Vol 284, ISBN978-3-031-12010-7, https://doi.org/10.1007/978-3-031-12011-4 |
| 3 | Proceedings of SECON'22, Lecture Notes in Civil Engineering | Review of Various Microbial Immobilization Methods Towards Self-healing Application . | Basil Baby, T. Palanisamy , and S. Arjun | Page no: 587-597, Springer, Vol 284, ISBN978-3-031-12010-7, https://doi.org/10.1007/978-3-031-12011-4 |
| 2 | Proceedings of SECON'22, Lecture Notes in Civil Engineering | Crack Detection in Concrete Using Artificial Neural Networks | T. Palanisamy , Rajat Shakya, Sudeepthi Nalla, and Sai Shruti Prakhya | Page no: 877-885, Springer, Vol 284, ISBN978-3-031-12010-7, https://doi.org/10.1007/978-3-031-12011-4 |
| 1 | Proceedings of SECON'22, Lecture Notes in Civil Engineering | Experimental Study on Durability and Mechanical Properties of Lightweight Mortar with Encapsulated Spore Forming Bacteria | J. P. Akshay, Basil Baby, and T. Palanisamy | Page no: 1185-1197, Springer, Vol 284, ISBN978-3-031-12010-7, https://doi.org/10.1007/978-3-031-12011-4 |

(ii) International Publications in the form of Books: (02)

| S.No | Title of the Book | Name of the Author(s) | Published By |
|------|--|---|---|
| 1 | Proceedings of International Conference on Civil, Structural and Environmental Engineering Proceedings | Dr. N. Rengarajan Dr. V. Revathi Dr.T, Palanisamy | Excel India Publishers, NewDelhi. (ISBN : 978-93-80697-63-5) |
| 2 | Proceedings of Sustainable Practices and Innovations in Civil Engineering | Sivakumar Naganathan Kamal Nasharuddin Mustapha Dr.T, Palanisamy | Springer, Springer Nature Singapore ISBN: 978-981-16-5040-6 |

(ii) International Book Chapter Edited: (07)

| S.No | Title of the Book | Name of the Author(s) | Published By | No of Chapters Edited | Chapters Edited |
|------|--|---|---|-----------------------|---|
| 1 | Proceedings of International Conference on Civil, Structural and Environmental Engineering Proceedings | Dr. N. Rengarajan Dr. V. Revathi Dr.T, Palanisamy | Excel India Publishers, New Delhi. (ISBN : 978-93-80697-63-5) | 05 | <ul style="list-style-type: none"> Advances in Concrete Technology. Composite Structures. Sesmic Behaviour of Structures. Fibre Reinforced and Polymer Concrete. Analysis and Design of Reinforced Concrete. Civil and Structural Engineering |
| 2 | Proceedings of the International Conference on Civil and Structural Engineering (ICIET 17) | Dr Siti Zaiton Dr M A Akour Dr Madalina Calbureanu Dr Reza Sirjani Dr S Poonkuzhali Dr T Palanisamy | Canadian Arena of Applied Scientific Reasrch Ltd.Canada. | 02 | |

12. Patent Publication & Registration Details (12) , Granted : 04

| S.No | Patent Publication & Registration Details | Ref.: No | Status |
|------|--|----------------------------------|-------------------|
| 16 | Palanisamy T , Shruthi B S (2023) "Ultrasonic Velocity Monitoring Device for Concrete Structures" | 388634-001 | GRANTED |
| 15 | Senthilkumar V., Palanisamy T . (2014), " Microbialcrete Composite" | 5292/CHE/2014 | GRANTED |
| 14 | Palanisamy, T , Sudharsan, N (2013), "Glasscrete Building Blocks" | 5315/ CHE/2013 | GRANTED |
| 13 | Palanisamy T. , Dineshkumar, G. (2012), 'Basaltcrete Building Blocks', | 4959/CHE/2012 | GRANTED |
| 12 | Palanisamy T. , Basil Baby, (2022) "A Pneumcapsulator Device for Preparing Bactoperl" | OMS.0065.000758/ 202241031219 | Filed |
| 11 | Palanisamy T. , Arjun S (2022) "Pozzolan Based Battery System with Microbial Activity" | OMS.0065.000752/ 202241027415 | Filed |
| 10 | Palanisamy T. , Ajmal Muhammed M ,(2016) "Fly Ash Artificial Aggregate (FACA)" | CBR No. 30480 / 201641038580 | Published |
| 9 | Palanisamy T. , Gunasekaran M ,(2016) "Light Weight Concrete Using Fly Ash and Bagasse Ash" | CBR No. 30480 / 201641038579 | Published |
| 8 | Palanisamy T. , Vidhya K ,(2016) "Incinerator – Ash Paving Blocks (IAPB)" | CBR No. 30480 / 201641038578 | Published |
| 7 | Palanisamy T. , Prasanthini P , (2016) "PVA Concrete Composite Panel" | CBR No. 30480 / 201641038577 | Published |
| 6 | Sudha P., Palanisamy T. , Selvaraj R , (2016) "Claycrete Composite Materials (CCM)" | E- 2/2823/2016CHE | Published |
| 5 | Sudha P., Palanisamy T. , Selvaraj R , (2016)"Clay Crete Panel(CCP)" | E- 2/2822/2016CHE | Published |
| 4 | Palanisamy T . , Vidhya K., (2015)., " Fabrication and Testing methods of Strain Measuring Instruments for Brick Masonry " SMIBM" | 6113/CHE/2015 | NOT GRANTED |
| 3 | Preetha A., Palanisamy T. , Southamirajan (2015)," Manuacturing process of pavement blocks via earth moist concrete" | 5383 CHE/2015 | Under Examination |
| 2 | Muralimohan N., Palanisamy T . (2014), " Hybrid Natural Coagulants" | 5635/CHE/2014 | Under Examination |
| 1 | Palanisamy, T , (2013), 'Lufacrete Panels', | 5316/CHE/2013 | Published |

13. Sponsored Projects (Project handled as Principal Investigator in last 4 Years) : (03)

| S.NO | Funding Agency | Title of the Project | Project Cost (Rs.) | Duration | Current Status | Remarks |
|------|---------------------------------------|--|--------------------|--------------------------------------|----------------|---|
| 4 | Ministry of Textiles | "Pre-oriented carbon fibre grid for Pozzolan based Low energy power source" under NTTM | 32,51,600 | 2023-2026 | Granted | |
| 3 | DST - SERB | "Development of an Innovative Marine Bacteria Based Cement-Electrolyte Battery for Cathodic Protection of Reinforced Concrete as Low Power Operator" | 33,43,148 | 2019 – 2020 to 2021 - 2022 | Completed | Patent filed : 01 Principal Investigator |
| 2 | AICTE, New Delhi. | Research Promotion Scheme (RPS) "Production of innovative low cost construction materials by means of optimum particle packing technology via earth moist concrete (Ref no.:20/AICTE/RIFD/RPS (POLICY– iii) 44/2012-13 dated 13.02.2013. | 3,46,800 | 2013 -2014 to 2016 – 2017 (3 Years) | Completed | Patent filed : 01 Principal Investigator |
| 1 | Ministry of Earth Science, New Delhi. | Development of Eco-friendly Natural Basalt Rock Fiber Concrete Composites (NBRFC) for Earthquake Resistant Structures. (RefNo:MoES/P.O.(Seismo)/1(202) /2013 – PAC dated on 28.02.2014) | 18,65,758 | 2014 – 2015 to 2017 – 2018 (3 Years) | Completed | Patent GRANTED : 01 Principal Investigator |

14. Professional Training Received / Summer / Winter Schools attended (28)

| S.No | Year | Nature of Training | Duration | Organization where training was provided |
|------|--------------------------|---|----------|--|
| 28 | 30.01.2020 to 31.01.2020 | National Conference on Civil Engineering "New and Effective Innovations, Technologies and Key Challenges 2020" | 02 Days | Dept. of Civil Engineering, NITK Surathkal |
| 27 | 11-02-2020 to 15-02-2020 | STTP on "Latest Trends in structural and Construction Technology" | 05 Days | NITK Surathkal |
| 26 | 18.11.2019 to 22.11.2019 | TEQIP III sponsored One-Week Faculty Development Programme on "Fiber Reinforced Concrete and it's Applications" | 05 Days | NITK Surathkal |
| 25 | 29.07.2019 to 02.08.2019 | GIAN, Design of Concrete Structures Reinforced with Fiber Reinforced Polymer (FRP) bars, | 07 Days | GIAN, NITK |
| 24 | 28.12.2019 | One – Day Workshop on "Structural Design of Buildings Systems" | One Day | IIT Madras, Chennai. |
| 23 | 10.09.2018 to 14.09.2018 | GIAN, Five days advance level course on "Whole Life Management of Concrete Structures – Theory to Practice" | 05 Days | GIAN, NITK |

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|----|--------------------------|---|-----------|--|
| 22 | 27.09.2017 | One day National level Seminar on “ Advancement in Concrete Technology – ACT – 2017) | One Day | I.K. Gujral Punjab Technical University, Punjab State. |
| 21 | 22.03.2017 | National Workshop on “ Advances testing methods for Concrete” | One Day | K.S.R College of Engineering, Tiruchengode |
| 20 | 16.03.2017 | TEQIP – II Sponsored workshop on “ Advances in Stress Analysis & Dynamics” | 2 Days | NIT Karnataka.India. |
| 19 | 01.03.2017 | National Workshop on Characterization of Cement Concrete (C ³ – 17) | One Day | Mahendra Engineering College, Namakkal. |
| 18 | 10.02.2017 to 11.02.2017 | National Level Seminar on Soft Computing Techniques. | 2 Days | K.S.R College of Engineering, Tiruchengode |
| 17 | 05.08.2016 to 06.08.2016 | 1 st Workshop on Corrosion Control in Concrete Structures (C ³ S) | 2 Days | IIT Madras, Chennai |
| 16 | 26.04.2016 | One day workshop on Intellectual Property Rights 2016 | One Day | Center for Intellectual Property Rights – 2016. Anna University, Chennai. |
| 15 | 23.11.2015 to 27.11.2015 | Short Term Course under Quality Improvements programme on “ Recent Developments in Construction Technology” | 5 Days | Dept. of Civil Engineering, Pondicherry Engineering College, Puducherry |
| 14 | 18.09.2015 | DRDO Sponsored national Seminar on “ Characterization of Multifunctional Materials for Engineering Applications” | One Day | Dept. of Civil Engineering, Mahendra Engineering College , Mallasamudharam, Namakkal |
| 13 | 18.09.2015 | DRDO – Sponsored National Seminar on Charactrization of Multifunctional materials for Engineering applications (MULTIMAT – 2015) | One day | Department of Civil Engineering, Mahendra Engineering College, Namakkal. |
| 12 | 14.08.2015 | UGC Sponsored - One day national level Workshop on Recent Advances in Construction Techniques | One day | Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore |
| 11 | 20.03.2015 | National Level workshop on “Blooms Taxonomy and its Assessments | One day | K.S.R College of Engineering, Tiruchengode |
| 10 | 19.08.2015 to 20.08.2015 | International level workshop on “Journal paper writing and preparation of winner research proposal” | 2 days | K.S.R College of Engineering, Tiruchengode |
| 9 | 28.02.2015 | One day Workshop on “Microstructural Charactrization of Structural Concrete” | One Day | Department of Civil Engineering , PSG College of Technology, Coimbatore. |
| 8 | 23.01.2015 – 24.01.2015 | Two days short course on “ Introduction of Finite Element Methods and its Applications” | 2 days | Department of Civil Engineering, National Institute of Technology, Tiruchirapalli. |
| 7 | 10.05.2013 to 24.05.2013 | Two weeks AICTE Sponsored Faculty Development Programme on “Disaster Management”, Organized by, K.S.R College of Engineering, Tiruchengode, from 10.05.2013 to 24.05.2013 | Two Weeks | K.S.R College of Engineering, Tiruchengode, |

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|---|--------------------------|--|-----------|---|
| 6 | 10.05.2013 to 24.05.2013 | Two weeks AICTE Sponsored Faculty Development Programme on “Disaster Management”, Organized by, K.S.R College of Engineering, Tiruchengode, from 10.05.2013 to 24.05.2013 | Two Weeks | K.S.R College of Engineering, Tiruchengode, |
| 5 | 06.09.2013 | One Day National Seminar on “ Application of Geographic Information System and Remote Sensing for Environmental Science | One day | Department of Civil engineering, K.S.R College of Engineering, Tiruchengode |
| 4 | 05.08.2013 – 06.08.2013 | International Workshop on Construction & Demolition (C&D) Waste Recycling | 2 Days | ICI, CPWD & IIT Madras, Chennai. |
| 3 | 20.05.2012 – 02.06.2012 | Two Weeks AICTE sponsored Staff Development Programme on “ Waste to Energy” | Two Weeks | K.S.R College of Engineering, Tiruchengode |
| 2 | 22.08.2012 to 24.08.2012 | DRDO Sponsored three Days Workshop on “ Systematic Technology Transfer for Sustainable Materials and Structures” (ST ₂ SMS – 2012) organized by K.S.R College of Engineering, Tiruchengode, on 22 nd and 24 th August 2012. | 3 days | Department of Civil Engineering, KSR College of Engineering |
| 1 | 05.11.2012 | CSIR Sponsored One Day National Seminar on Advancement in Concrete Technology” (NACT – 2012), K.S.R College of Engineering, Tiruchengode, India. 5 th November- 2012. | One day | Department of Civil Engineering, K.S.R College of Engineering, Tiruchengode |

15. Conferences / Seminars / Workshops attended

i. International (22)

| S.NO | Year | Conferences / Seminars /Workshops attended | Title of paper presented |
|------|-----------------------|---|---|
| 22 | 01.06.2022-03.06.2022 | International Conference on Structural Engineering and Construction Management (SECON – 22) | Experimental Study on Durability and Mechanical Properties of Lightweight Mortar with Encapsulated Spore Forming Bacteria |
| 21 | 01.06.2022-03.06.2022 | International Conference on Structural Engineering and Construction Management (SECON – 22) | Review of Various Microbial Immobilisation Methods Towards Self-Healing Application |
| 20 | 01.06.2022-03.06.2022 | International Conference on Structural Engineering and Construction Management (SECON – 22) | Crack Detection in Concrete Using Artificial Neural Networks |
| 19 | 01.06.2022-03.06.2022 | International Conference on Structural Engineering and Construction Management (SECON – 22) | Prediction of Compressive Strength and Workability Characteristics of Self-Compacting Concrete Containing Fly Ash Using Artificial Neural Network |
| 18 | 01.06.2022-03.06.2022 | International Conference on Structural Engineering and Construction Management (SECON – 22) | Predicting The Axial Load Carrying Capacity of Columns Reinforced With GFRP Rebars Using ANN Modelling |

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|-----|--------------------------|---|---|
| 17 | 01.06.2022-03.06.2022 | International Conference on Structural Engineering and Construction Management (SECON – 22) | Intelligent Modeling for Shear Strength of RC Exterior Beam-Column Joint Subjected to Seismic Loading |
| 16 | 2021 | CIGOS 2021, Emerging Technologies and Applications for Green Infrastructure | ANN Model for Joint Shear Strength of RC Interior Beam-Column Joint |
| 915 | 25.01.2017 to 26.01.2017 | International Conference on Civil and Structural Engineering (ICIET – 17), | Influence of Strengthened Infilled wall in RC framed structure |
| 14 | 25.01.2017 to 26.01.2017 | International Conference on Civil and Structural Engineering (ICIET – 17), | Structural Behaviour of Beam – Column joint with Basalt fiber Reinforced concrete |
| 13 | 25.01.2017 to 26.01.2017 | International Conference on Civil and Structural Engineering (ICIET – 17), | Corrosion study on Fly ash based Geopolymer concrete with partial replacement of fly ash by paper sludge using impressed voltage method |
| 12 | 05.05.2016 to 06.05.2016 | International Conference on Innovative Engineering and Technologies (ICIET – 16), Organized by CAASR Publishers held at Univetsiti Kebansaan Malaysia, Kuala Lumpur, Malaysia, | Study on Behaviour of Geopolymer Beam – Column Joint |
| 11 | 05.05.2016 to 06.05.2016 | International Conference on Civil and Structural Engineering (ICCSE – 16), Organized by CAASR Publishers held at Univetsiti Kebansaan Malaysia, Kuala Lumpur, Malaysia, | Study on Effect of Proximity of Interfacing Building on Pressure and Velocity |
| 10 | 01.03.2016 to 04.03.2016 | International Conference on Materials Science & Technology at Conference Center, University of Delhi, New Delhi, India. | Experimental study on Manufacturing of Artificial Aggregate using Geo polymer Technique in Concrete. |
| 9 | 06.05.2014 & 07.05.2014 | 8 th International Conference on “ Science, Engineering and Technology (SET) | Study on Mechanical Properties and Structural Behaviour of Recron Fiber Reinforced Concrete Members |
| 8 | 18.02.2011 & 19.02.2011 | International Conference on Civil, Structural and Environmental Engineering | Experimental Study on R.C. Framed with Infilled Wall under Static Loading |
| 7 | 18.02.2011 & 19.02.2011 | International Conference on Civil, Structural and Environmental Engineering | Wastewater Treatment by Natural Coagulants – a Review. |
| 6 | 18.02.2011 & 19.02.2011 | International Conference on Civil, Structural and Environmental Engineering | Corrosion Propagation Study on High Performance Concrete Specimens with, In – Situ Experimental Evaluation Technique. |
| 5 | 18.02.2011 & 19.02.2011 | International Conference on Civil, Structural and Environmental Engineering | Guidelines for Reconstruction of Building with Multi Hazard- a Review. |
| 4 | 18.02.2011 & 19.02.2011 | International Conference on Civil, Structural and Environmental Engineering | A State of Art Report on Behaviour of Shear wall for Static and Dynamic Loads using FEA. |
| 3 | 15.05.2008 to 17.05.2008 | International Conference on Innovations in Building Materials, Structural Designs and Construction Practices | An Experimental Study on Tensile and Flexural Strength of High Performance Concrete with Partial Replacement of Cement by Silica Fume and GGBS. |

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|---|--------------------------|---|---|
| 2 | 30.08.2007 to 01.09.2007 | International Conference on Recent Developments in Structural Engineering | An experimental study on Crack Initiation and Rehabilitation of Channel Section with Welding |
| 1 | 30.08.2007 to 01.09.2007 | International Conference on Recent Developments in Structural Engineering | Corrosion effect of High Performance Concrete with Partial Replacement of Cement by Silica Fume and GGBS. |

ii). National Level (28)

| S.No | Year | Conferences / Seminars /Workshops attended | Title of paper presented |
|------|------------|---|--|
| 28 | 09.03.2017 | Second National Conference on Modern & Emerging Trends in Infrastructure Development for Sustainability, Organized by Dept. of Civil Engineering, Mahindra Engineering College, Namakkal. On 09.03.2017 | A Novel Concrete Made with Waste Papers |
| 27 | 09.03.2017 | Second National Conference on Modern & Emerging Trends in Infrastructure Development for Sustainability, Organized by Dept. of Civil Engineering, Mahindra Engineering College, Namakkal. On 09.03.2017 | Role of Polyethylene Therephthalate in bricks |
| 26 | 09.03.2017 | Second National Conference on Modern & Emerging Trends in Infrastructure Development for Sustainability, Organized by Dept. of Civil Engineering, Mahindra Engineering College, Namakkal. On 09.03.2017 | Open Source Software for computational fluid dynamics |
| 25 | 09.03.2017 | Second National Conference on Modern & Emerging Trends in Infrastructure Development for Sustainability, Organized by Dept. of Civil Engineering, Mahindra Engineering College, Namakkal. On 09.03.2017 | Persuade of Fly ash and Bagasse ash on the Mechanical Characteristics of light weight concrete |
| 24 | 09.03.2017 | Second National Conference on Modern & Emerging Trends in Infrastructure Development for Sustainability, Organized by Dept. of Civil Engineering, Mahindra Engineering College, Namakkal. On 09.03.2017 | Fly ash artificial Coarse Aggregate (FACA) for Sustainable Eco – Friendly Concrete. |
| 23 | 11.03.2016 | NABARD Sponsored national Conference on “ Innovative Research in Biotechnology and Engineering for Public Health (IRBEP – 2016) | Innovative Manufacturing Techniques of I – Bricks. |
| 22 | 31.03.2016 | National Conference on “ Desogn, Materials, Manufacturing and Construction Technologies” at NSN Engineering College, Karur. | A Study on Pond and Fly ash an Opportunity for sustainable and Economical Brick |
| 21 | 21.04.2016 | Fourth National Conference on “ Trendy and Sustainable Development in Civil Engineering” at KSR College of Engineering, Organized by Department of Civil Engineering. | Experimental Investigation on Engineered Cementitious Composites Using Polypropylene Fiber |
| 20 | 21.04.2016 | Fourth National Conference on “ Trendy and Sustainable Development in Civil Engineering” at KSR College of Engineering, Organized by Department of Civil Engineering. | Feasibility of Using waste Glass Powder in Fly Ash Bricks |

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| 19 | 21.04.2016 | Fourth National Conference on “ Trendy and Sustainable Development in Civil Engineering” at KSR College of Engineering, Organized by Department of Civil Engineering. | Experimental Study on Structural Behavior of Low Cost Light Weight Slab panel for roofing |
| 18 | 21.04.2016 | Fourth National Conference on “ Trendy and Sustainable Development in Civil Engineering” at KSR College of Engineering, Organized by Department of Civil Engineering. | Structural Behavior of Geopolymer Aggregate Concrete in Beam – Column Joint |
| 17 | 21.04.2016 | Fourth National Conference on “ Trendy and Sustainable Development in Civil Engineering” at KSR College of Engineering, Organized by Department of Civil Engineering. | A Review on Geopolymer Concrete Frame |
| 16 | 08.04.2015 | National Conference on Advancements in Structural Environmental & Geotechnical Engineering for Sustainable Development. | Effects of Workability in Light weight concrete using mineral Admixtures. |
| 15 | 21.03.2014 | National Level conference on recent and advanced trends in Civil Engineering | Experimental Study on Manufacturing of artificial Aggregate using Geopolymer |
| 14 | 03.05.2014 | National Level conference on Trendy and sustainable development in Civil Engineering | Study on Geopolymer Coatings for evaluation of corrosion protection of steel reinforcements in RCC structures. |
| 13 | 18.04.2013 & 19.04.2013 | National Conference on “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’13) | Experimental investigation of Polyvinyl Alcohol Fiber in Mortar |
| 12 | 18.04.2013 & 19.04.2013 | National Conference on “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’13) | Strength characteristics of Recron Fiber Reinforced Concrete using NDT |
| 11 | 18.04.2013 & 19.04.2013 | National Conference on “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | Corrosion Propagation Study on High Performance Concrete Specimens with, In – Situ Experimental Evaluation |
| 10 | 18.04.2013 & 19.04.2013 | National Conference on “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | Performance of Waste Glass Powder in Concrete |
| 9 | 18.04.2013 & 19.04.2013 | National Conference on “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | Hybrid Fiber Reinforced Concrete- A Review |
| 8 | 18.04.2013 & 19.04.2013 | National Conference on “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | Basalt Fiber Reinforced Concrete- a Review |
| 7 | 19.04.2012 & 20.04.2012 | National Conference on Advances in Concrete and Construction Technology | Investigation on Dynamic Behaviour of Castellated Beam |
| 6 | 19.04.2012 & 20.04.2012 | National Conference on Advances in Concrete and Construction Technology | Effect of Mechanical Properties on Polyester Fibers in Concrete Composites |
| 5 | 19.04.2012 & 20.04.2012 | National Conference on Advances in Concrete and Construction Technology | Experimental investigation of Hybrid Fiber in Concrete |

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| 4 | 19.04.2012 & 20.04.2012 | National Conference on Advances in Concrete and Construction Technology | Estimation of Dynamic Forces on the Structures with Multi Hazard |
| 3 | 19.04.2012 & 20.04.2012 | National Conference on Advances in Concrete and Construction Technology | Strength Development of Natural Fiber Reinforced Concrete Composites |
| 2 | 19.04.2012 & 20.04.2012 | National Conference on Advances in Concrete and Construction Technology | Performance Evaluation of Polypropylene Fiber in Cementitious Composites |
| 1 | 19.04.2012 & 20.04.2012 | National Conference on Advances in Concrete and Construction Technology | Study and Characterisation of Foam Concrete |

17. Industrial Experience / Interaction

| Organization | Nature of work | Period |
|---|------------------|--------------------------|
| Design wise, Engineers & Architects , Perundurai. | Project Engineer | 01.06.2002 to 24.11.2002 |
| Design wise, Engineers & Architects , Perundurai. | Site Engineer | 28.04.2000 to 31.12.2000 |

18. Continuing Education Programmes /Short Term Courses/Workshops/Seminars etc. organized : (14)

| S.NO | Title of Programme | Period | Funding Agency |
|------|---|-------------------------|------------------------|
| 15 | Two Days Workshop on Non- Destructive Testing Techniques and repair Material Characterisation NRMCC – 22 organized by Dept. of Civil Engineering, National Institute of Technology Karnataka, Surathkal. | 03.11.2022 – 04.11.2022 | DEST-SERB (SSR Scheme) |
| 14 | One Week International Workshop on Durability of Concrete (IWODOC – 2020) Date: 26th Oct – 30th Oct, 2020, Sponsored by ICI, ICJ, ISTE Mangalore Local center, Dept. of civil Engg, NITK | 26.10.2020-30.10.2020 | NITK |
| 13 | STTP on “Latest Trends in structural and Construction Technology” | 11-02-2020-15-02-2020 | NITK |
| 12 | One-Week Faculty Development Programme on “Fiber Reinforced Concrete and it's Applications” Sponsored by TEQIP, NITK | 18.11.2019 – 22.11.2019 | NITK |
| 11 | Expert Lecture on “Contemporary Challenges and Issues in Offshore Structures” | 19.09.2019 | NITK |
| 10 | Expert Lecture on “Electro-Chemical Techniques in Concrete Technology” | 12.09.2019 | NITK |
| 9 | Expert lecture on “Chloride Removal and Electro-Kinetics in Concrete” | 28.05.2019 | NITK |
| 8 | One day National Seminar on “ Advancement in Concrete Technology “ Organized by Department of Civil engineering, I.K.Gurjal Punjab Technical University, Punjab, India. | 27.09.2017 | IKGPTU |
| 7 | One day National Level workshop on “Advanced Testing Methods for Concrete” organized by K.S.R College of Engineering, Tiruchengode, on 22.03.2017. | 22.03.2017 | KSRCE |
| 6 | One Day Seminar “ Patent Filing in India and Other Countries” organized by K.S.R College of Engineering, Tiruchengode, on 08.08.2016. | 08.08.2016. | KSRCE |
| 5 | Two Days international Level workshop on “ Journal Paper writing and Preparation of winner research proposal” Office of the Controller of the Examinations, K.S.R College of Engineering, Tiruchengode, on 19.08.2015 & 20.08.2015. | 19.08.2015 & 20.08.2015 | KSRCE |

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| 4 | One day National level workshop on “ Blooms Taxonomy and Its Assessments” 9Organized by, Office of the Controller of the Examinations, K.S.R College of Engineering, Tiruchengode, on 20.03.2015 | 20.03.2015 | KSRCE |
| 3 | Two weeks AICTE Sponsored Faculty Development Programmee on “Disaster 8Management”, Organized by, K.S.R College of Engineering, Tiruchengode, from 10.05.2013 to 24.05.2013 | 10.05.2013 to 24.05.2013 (Two Weeks) | AICTE, New Delhi |
| 2 | CSIR Sponsored One Day National Seminar on Advancement in Concrete 7Technology” (NACT – 2012), K.S.R College of Engineering, Tiruchengode, India. 5 th November- 2012. | 5 th November- 2012. | CSIR, New Delhi |
| 1 | DRDO Sponsored three Days Workshop on “ Systematic Technology Transfer for Sustainable Materials and Structures” (ST ₂ SMS _{nd} and 24– 2012) th August 2012. organized by K.S.R College of Engineering, Tiruchengode, on 22 | 22 nd and 24 th August 2012. | DRDO, New Delhi |

19. Experience in Administrative Positions, Curriculum and Lab Development, Student Welfare, Professional and Outreach Activities:

| Sl. No. | Responsibility Held | Duration |
|---------|--|----------------------------|
| 24 | Faculty-In-Charge - Institute Guest House | 2022 |
| 23 | Faculty-In-Charge - Estate & Works | 2022 |
| 22 | Block Warden – Hostel (First Block) | 2021-2023 |
| 21 | Faculty-In-Charge - Civil Engg., NBA - PG (Structural Engg...) | 2021-2023 |
| 20 | Secretary - Civil Engg - DRPC | 2021-2023 |
| 19 | Faculty Advisor - Civil Engg (PG - Structural Engineering) | 2020-2022 |
| 18 | Coordinator-Civil Engg - Heavy Structural Engineering Lab | 2020-2024 |
| 17 | Dept. Civil Engg - diamond jubilee - committee member | 2019 |
| 16 | Civil Engg Dept - Alumni coordinator for PG | 2019-2021 |
| 15 | Civil Engg. Dept - Website updation coordinator | 2018-2021 |
| 14 | Furniture Purchase committee coordinator for department | 2019-2021 |
| 13 | Civil Engg Dept. First year Induction programme coordinator | 2018-2020 |
| 12 | Institute Level Committee Member - Civil Engg Dept. - Ring Presentation Ceremony coordinator | 2020-2021 |
| 11 | Institute Level Committee Member – Civil Engineering Dept. – First Year Admission | 2019-2020 |
| 10 | Time table committee member – Institute level | 2019-2020 |
| 9 | PI of Bio – Concrete Lab (Lab established by Dr. T. PALANISAMY) | 2019 to Till Date |
| 8 | Structural Engineering Lab in Charge (NITK) | 2018 to Till Date |
| 7 | Head of the Department of Architecture | 13.07.2017 to 18.06.2018 |
| 6 | Board of Studies Member (BoS) for Vivakanantha College of Engineering for Women | 2013 – 2014 to 2015 - 2016 |
| 5 | Board of Studies Member (BoS) for Anna University | 2013 - 2014 to 2016 - 2017 |

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| 4 | Controller of Examinations (COE) for Autonomous System | 25.11.2012 to 16.06.2017 |
| 3 | Structural Engineering Lab in Charge | 2009 to 16.06.2017 |
| 2 | Doctoral Committee Member for Anna University | 2009 to Till date |
| 1 | Class Committee Chair Person | 2002 - 2009 |

20. Awards and Recognitions (07)

| S.No | Brief Achievements | Award by | Year |
|------|--|---|------|
| 7 | “Vishwakarma Award – 2018” , Construction Industry Development Council (CIDC), Planning Commission of India, New Delhi. | Planning Commission of India, New Delhi | 2018 |
| 6 | “ Shri P K Das memorial Best Faculty Award” in Civil Engineering | Nehru Group of Institutions, Tamilnadu & Kerala. | 2016 |
| 5 | “Outstanding Young Concrete Engineer” award in the files of Concrete technology. | Indian Concrete Institute, India & Ultra Tech Cements. | 2016 |
| 4 | “ Dr. A.P. J. Abdul Kalam Gold Medal Award – 2015 for Engineering Education” , Universal Achievers Foundation, New Delhi. 15.10.2015 | Universal Achievers Foundation, New Delhi | 2015 |
| 3 | “ Bharat Ratana Mother Teresa Gold Medal Award – 2014 for Education” , By Global Economic Progress & Research Association at Bangalore. | Global Economic Progress & Research Association , Bangalore | 2014 |
| 2 | “ Indra Priyadarshini Gold medal Award 2015 | Golbal Economic Progress & Research Association , Bangalore | 2015 |
| 1 | “ Bhart Shiksha Ratan Award” by Global Society for Health & Educational, New Delhi. – 110051. | Global Society for Health & Educational, New Delhi. – 110051. | 2014 |

20. JOURNAL PUBLICATIONS (SCI/SCOPUS Indexed Papers only) i. List of Journal Publications outside Ph.D. Thesis: (29)

| Sl. No | Author(s) | Title of the Paper | Name of the Journal | Volume, Pages, DOI | Year |
|--------|--|--|---|--|------|
| 29 | Arjun Sundaramoorthi, Palanisamy Thangaraj | A comprehensive review on cement-based batteries and their performance parameters | Journal of Engineering and Applied Science | (2023) 70:39 pp 1-17, DOI:10.1186/s44147-023-00213-9 | 2023 |
| 28 | S. Balasubramanian, T. Palanisamy, S. Senthilkumar | Comparative analysis of strength behaviours on concrete frames under severe earthquake loads | Journal of Environmental Protection and Ecology | 24, No 3, 874–887 (2023) | 2023 |
| 27 | Dineshkumar, G., Palanisamy, T. | Influence of basalt fiber on the behavior of beam - column joint under cyclic loading | Materials Today: Proceedings, | 10.1016/j.matpr.2023.04.232 | 2023 |
| 26 | Alagundi, S., Palanisamy, T. | Neural network prediction of joint shear strength of | Structures | 37, pp. 1002-1018. DOI: 10.1016/j.istruc.2022.01.013 | 2022 |

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| | | exterior beam-column joint | | | |
| 25 | Gunasekaran, M., Palanisamy, T. | Impact of fly ash and bagasse ash on durability performance of lightweight concrete with the experimental study | Cement, Wapno, Beton, | 27 (5), pp. 353-368, DOI: 10.32047/CWB.2022.27.5.5 | 2022 |
| 24 | Gunasekaran, M., Palanisamy, T. | Effect of fly ash and bagasse ash on the mechanical properties of light weight concrete | Cement, Wapno, Beton, | 27 (2), pp. 72-101, DOI: 10.32047/CWB.2022.27.2.1 | 2022 |
| 23 | Senthamilselvi, P., Palanisamy, T., Senthilkumar, S. | Effect of Chloride on Accelerated Corrosion of Steel Rebar in Alkali-Activated Fly Ash and Paper Sludge Ash– Reinforced Concrete | International Journal of Electrochemical Science, | 17, art. no. 221298, DOI: 10.20964/2022.12.101 | 2022 |
| 22 | Muhammed, A., Thangaraju, P., Shanmugamoorthy, S. | Assessment on durability of lightweight concrete using alkali modified fly ash based atrificial coarse aggregate (FACA) | International Journal of Coal Preparation and Utilization | DOI: 10.1080/19392699.2022.2139248 | 2022 |
| 21 | Muhammed, A., Thangaraju, P | Experimental Investigation on FACA and FACACRETE — An Innovative Building Materia | KSCE Journal of Civil Engineering | 23 (11), pp. 4758-4770, DOI: 10.1007/s12205-019-0046-x | 2019 |
| 20 | Jagadeesan, P., Palanisamy, T | Study on performance of infilled wall in RC framed structure using basalt fibre in cement mortar | Journal of Structural Engineering (India) | 45 (6), pp. 512-519 | 2019 |
| 19 | Senthamilselvi, P., Palanisamy, T | Flexural behaviour of reinforced Fly Ash and Paper Sludge Ash-based geopolymer concrete beams | Journal of Structural Engineering (India) | 45 (2), pp. 201-209 | 2018 |
| 18 | Senthamilselvi, P., Palanisamy, T | Experimental and analytical study on flexural behaviour of fly ash and paper sludge ash based geopolymer concrete | Computers and Concrete | 21 (2), pp. 157-166, DOI: 10.12989/cac.2018.21.2.157 | 2018 |
| 17 | Sudharsan, N., Palanisamy, T., Yaragal, S.C | Environmental sustainability of waste glass as a valuable construction material - A critical review | Ecology, Environment and Conservation | 24, pp. S331-S338, | 2018 |
| 16 | Sudharsan, N., Palanisamy, T. | A comprehensive study on potential use of waste materials in brick for sustainable development | Ecology, Environment and Conservation | 24, pp. S339-S343 | 2018 |

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|----|---|--|---|--|------|
| 15 | Pachamuthu, S., Thangaraju, P | Effect of incinerated paper sludge ash on fly ash-based geopolymer concrete | Gradjevinar | 69 (9), pp. 851-859, DOI: 10.14256/JCE.1864.2016 | 2017 |
| 14 | Palanivelu, R., Rajendran, V., Dhineshababu, N.R., Palanisamy, T., Balasubramanian, S | Comparative Study of Addition of Amorphous Nanosilica Particles with Different Grades of Cement Mortar | International Journal of Applied Ceramic Technology | 12, pp. E14-E22, DOI: 10.1111/ijac.12349 | 2015 |
| 13 | Jagadeesan, P., Palanisamy, T | Structural response of RC frame with Infilled wall using confinement | Journal of Structural Engineering (India) | 42 (4), pp. 341-347. | 2015 |
| 12 | Senthilkumar, V., Vijayakumar, V.N., Palanisamy, T | Strength characteristics of microbial cement mortars treated in different calcium sources | Advances in Cement Research | , 27 (5), pp. 289-296, DOI: 10.1680/adcr.14.00002 | 2015 |
| 11 | Sudha, P., Selvaraj, R., Palanisamy, T | Experimental studies on cement mortar for partial replacement of cement by chemically activated clay | International Journal of Earth Sciences and Engineering | 8 (5), pp. 2038-2044, | 2015 |
| 10 | Jagadeesan, P., Palanisamy, T | Non-linear pushover analysis of RC frame under static lateral loading | International Journal of Earth Sciences and Engineering | 8 (4), pp. 1699-1704. | 2015 |
| 09 | Jagadeesan, P., Palanisamy, T | Strengthening of brick masonry using basalt fiber reinforced cement mortar | International Journal of ChemTech Research | 8 (10), art. no. A014, pp. 102-108 | 2015 |
| 08 | Sudha, P., Selvaraj, R., Palanisamy, T | Intensification of calcined clay as a pozzolanic material in cement morta | International Journal of Applied Engineering Research | 10 (15), pp. 35640-35644 | 2015 |
| 07 | Senthilkumar, V., Palanisamy, T., Vijayakumar, V.N | Enrichment of compressive strength in microbial cement mortar | Advances in Cement Research | 26 (6), pp. 353-360, DOI: 10.1680/adcr.13.00053 | 2014 |
| 06 | Palanisamy, T., Dineshkumar, G | Performance evaluation and structural behavior of basalt fiber reinforced concrete | International Journal of Earth Sciences and Engineering | , 7 (2), pp. 744-749, | 2014 |
| 05 | Senthilkumar, V., Palanisamy, T., Vijayakumar, V.N | Fortification of compressive strength in Enterococcus microorganism incorporated microbial cement mortar | International Journal of ChemTech Research | 6 (1), pp. 636-644 | 2014 |
| 04 | Senthilkumar, V., Palanisamy, T., Vijayakumar, V.N | Comparative studies on strength characteristics of microbial cement mortars | International Journal of ChemTech Research, | 6 (1), pp. 578-590 | 2014 |

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|----|--|--|---|--|------|
| 03 | Muralimohan, N., Palanisamy, T | Treatment of textile effluent by natural coagulants in erode distric | Asian Journal of Chemistry | 26 (3), art. no. 16201, pp. 911-914, DOI: 10.14233/ajchem.2014.16201 | 2014 |
| 02 | Palanisamy, T., Dineskumar, G., Shalini, A | Performance evaluation and investigation on mechanical properties of polyester fiber reinforced concrete | Journal of Structural Engineering (India) | 40 (4), pp. 420-425 | 2013 |
| 01 | Palanisamy, T., Prabu, B. | Structural behaviour of di-blended fibre reinforced concrete slab pane | Journal of Structural Engineering (India) | 40 (5), pp. 449-456. | 2013 |

21. List of Conference Publications

(a). International Conference Publication with ISBN Number: (19)

| S.No | Title of the Paper | Title of the Conference | Organised by | Duration | Page no | No. Of Days | Sponsored by |
|------|---|---|--|-------------------------|--|-------------|--|
| 19 | ANN Model for Joint Shear Strength of RC Interior Beam-Column Joint | CIGOS 2021, Emerging Technologies and Applications for Green Infrastructure | Association of Vietnamese Scientists and Experts (AVSE Global) and the University of Transport Technology (UTT) in scientific collaboration with the National University of Civil Engineering (NUCE) | 28.10.2021 – 29.10.2021 | (2022), Lecture Notes in Civil Engineering Vol 23, PISSN: 23662557 | 02 | STECHCO, Canada |
| 18 | Influence of Strengthened Infilled wall in RC framed structure | International Conference on Civil and Structural Engineering (ICIET – 17), | Organized by Canadian Arena of Applied Scientific Research, Canada, held at Dubai, UAE. | 25.01.207 – 26.01.2017 | 1 – 14 ISBN : 978 – 0 – 9948937 – 5 – 8 | 02 | Canadian Arena of Applied Scientific Research, Canada, |
| 17 | Structural Behaviour of Beam – Column joint with Basalt fiber Reinforced concrete | International Conference on Civil and Structural Engineering (ICIET – 17), | Organized by Canadian Arena of Applied Scientific Research, Canada, held at Dubai, UAE. | 25.01.207 – 26.01.2017 | 15 – 22 ISBN : 978 – 0 – 9948937 – 5 – 8 | 02 | Canadian Arena of Applied Scientific Research, Canada, |
| 16 | Corrosion study on Fly ash based Geopolymer concrete with partial | International Conference on Civil and Structural Engineering (ICIET – 17), | Organized by Canadian Arena of Applied Scientific Research, Canada, held at Dubai, UAE. | 25.01.207 – 26.01.2017 | 23 - 36 ISBN : 978 – 0 – 9948937 – 5 – 8 | 02 | Canadian Arena of Applied Scientific |

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|----|--|---|--|--------------------------|--|----|---------------------------------|
| | replacement of fly ash by paper sludge using impressed voltage method | | | | | | Research, Canada, |
| 15 | Study on Behaviour of Geopolymer Beam – Column Joint | International Conference on Innovative Engineering and Technologies (ICIET – 16), | Organized by CAASR Publishers held at Univetsiti Kebansaan Malaysia, Kuala Lumpur, Malaysia, | 05.05.2016 to 06.05.2016 | 152 - 168 ISBN 978 – 0 – 9948937 – 4 - 1 | 02 | Univetsiti Kebansaan Malaysia, |
| 14 | Study on Effect of Proximity of Interfacing Building on Pressure and Velocity | International Conference on Civil and Structural Engineering (ICCSE – 16), | Organized by CAASR Publishers held at Univetsiti Kebansaan Malaysia, Kuala Lumpur, Malaysia, | 05.05.2016 to 06.05.2016 | 14 – 26 ISBN 978 – 0 – 9948937 – 4 - 1 | | Univetsiti Kebansaan Malaysia, |
| 13 | Experimental study on Manufacturing of Artificial Aggregate using Geo polymer Technique in Concrete. | International Conference on Materials Science & Technology | Conference Center, University of Delhi, New Delhi, India. | 01.03.2016 to 04.03.2016 | DOI: 10.5185/icmtech.2016 ISBN: 978 – 91 – 8825 – 01 – 2. | 04 | Published by VBRI Press in 2016 |
| 12 | Study on Mechanical Properties and Structural Behaviour of Recron Fiber Reinforced Concrete Members | 8th International Conference on “ Science, Engineering and Technology (SET) | Department of Civil Engineering, VIT University, Vellure | - | - | - | - |
| 11 | Experimental Study on R.C. Framed with Infilled Wall under Static Loading | International Conference on Civil, Structural and Environmental Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.02.2011 & 19.02.2011 | 234-239 ISBN 978-93-80697-63-5 | 02 | AICTE |
| 10 | Wastewater Treatment by Natural Coagulants – a Review. | International Conference on Civil, Structural and Environmental Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.02.2011 & 19.02.2011 | 740-742 ISBN 978-93-80697-63-5 | 02 | AICTE |
| 9 | Overview of Bacterial Concrete | International Conference on Civil, Structural and Environmental Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.02.2011 & 19.02.2011 | 144-146 ISBN 978-93-80697-63-5 | 02 | AICTE |

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|---|---|---|---|--------------------------|------------------------------------|----|---------------------------------|
| 8 | Corrosion Propagation Study on High Performance Concrete Specimens with, In – Situ Experimental Evaluation Technique. | International Conference on Civil, Structural and Environmental Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.02.2011 & 19.02.2011 | 33-39 ISBN 978-93-80697-63-5 | 02 | AICTE |
| 7 | Guidelines for Reconstruction of Building with Multi Hazard- a Review. | International Conference on Civil, Structural and Environmental Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.02.2011 & 19.02.2011 | 453-458 ISBN 978-93-80697-63-5 | 02 | AICTE |
| 6 | Alkali Activated Al & Si Rich sources based Geopolymer : A review about current state | International Conference on Civil, Structural and Environmental Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.02.2011 & 19.02.2011 | 429 – 439 ISBN 978-93-80697-63-5 | 02 | AICTE |
| 5 | A State of Art Report on Behaviour of Shear wall for Static and Dynamic Loads using FEA. | International Conference on Civil, Structural and Environmental Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.02.2011 & 19.02.2011 | 508-513 ISBN 978-93-80697-63-5 | 02 | AICTE |
| 4 | Experimental study on Castellated Beam Chassis and with static loading | International Conference on Civil, Structural and Environmental Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.02.2011 & 19.02.2011 | 597-599 513 ISBN 978-93-80697-63-5 | 02 | AICTE |
| 3 | Structural Behaviour of Fibre Reinforced Concrete Slab Panel Using Natural Fibre | International Conference on Advances in Construction, Manufacturing and Automation Research | Kong Engineering College , Prenduri | 30.03.2012 & 31.03.2012 | 101 - 105 | 02 | AICTE |
| 2 | An experimental study on Crack Initiation and Rehabilitation of Channel Section with Welding | International Conference on Recent Developments in Structural Engineering | Department of Civil Engineering, Manipal Institute of Technology, Manipal. | 30.08.2007 to 01.09.2007 | 1497-1499 | 03 | Manipal Institute of Technology |
| 1 | Corrosion effect of High Performance Concrete with Partial | International Conference on Recent Developments in Structural Engineering | Department of Civil Engineering, Manipal Institute of Technology, Manipal. | 30.08.2007 to 01.09.2007 | 994- 1001 | 03 | |

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|---------------------------|--|--|--|--|--|--|-----------|
| | Replacement of Cement by Silica Fume and GGBS. | | | | | | |
| Total No of Days : | | | | | | | 38 |
| Total No Papers : | | | | | | | 19 |

(b). National Conference Publications (29)

| S.No | Title of the Paper | Title of the Conference | Organized by | Duration | Participated/ Presented | Page No | No. of Days | Sponsored by |
|------|--|--|---|-------------------------|-------------------------|---------|-------------|--------------|
| 29 | Reinforced Concrete by using Sisal Fiber with M-Sand as Fine Aggregate | Sustainable Materials and Smart Practices - NCSMSP-2021 | | 17.12.2021 – 18.12.2021 | Presented | 76-82 | 02 | |
| 28 | Experimental Analysis of Glass Fibre in Concrete | Sustainable Materials and Smart Practices - NCSMSP-2021 | | 17.12.2021 – 18.12.2021 | Presented | 76-82 | 02 | |
| 27 | Evaluation of Mechanical Properties on Light Weight Concrete by using Silica Fume with M-Sand | Sustainable Materials and Smart Practices - NCSMSP-2021 | | 17.12.2021 – 18.12.2021 | Presented | 76-82 | 02 | |
| 26 | Study on Geopolymer Coatings for evaluation of corrosion protection of steel reinforcements in RCC structures. | National Conference on Civil Engineering, “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 03.05.2014 | Presented | 59-65 | 01 | AICTE |
| 25 | Experimental investigation of Polyvinyl Alcohol Fiber in Mortar | National Conference on Civil Engineering, “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.04.2013 & 19.04.2013 | Presented | 98-100 | 02 | AICTE |
| 24 | Strength characteristics of Recron Fiber Reinforced Concrete using NDT | National Conference on Civil Engineering, “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.04.2013 & 19.04.2013 | Presented | 101-107 | 02 | AICTE |
| 23 | Corrosion Propagation Study on High Performance | National | Department of Civil Engineering, | | Presented | 30-35 | 02 | AICTE |

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| | Concrete Specimens with, In – Situ Experimental Evaluation | Conference on “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | K.S.R. College of Engineering, Tiruchengode. | 18.04.2013 & 19.04.2013 | | | | | |
| 22 | Performance of Waste Glass Powder in Concrete | National Conference on “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.04.2013 & 19.04.2013 | Presented | 203-206 | 02 | | AICTE |
| 21 | Hybrid Fiber Reinforced Concrete- A Review | National Conference on “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.04.2013 & 19.04.2013 | Presented | 134-139 | 02 | | AICTE |
| 20 | Basalt Fiber Reinforced Concrete- a Review | National Conference on “Trendy and Sustainable Development in Civil Engineering” (NCTSDCE’14) | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 18.04.2013 & 19.04.2013 | Presented | 159-163 | 02 | | AICTE |
| 19 | Investigation on Dynamic Behaviour of Castellated Beam | National Conference on Advances in Concrete Construction Technology | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 19.04.2012 & 20.04.2012 | Presented | 392 - 397 | 02 | | CSIR |
| 18 | Effect of Mechanical Properties on Polyester Fibers in Concrete Composites | National Conference on Advances in Concrete Construction Technology | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 19.04.2012 & 20.04.2012 | Presented | 194-200 | 02 | | CSIR |
| 17 | Experimental investigation of Hybrid Fiber in Concrete | National Conference on Advances in Concrete Construction Technology | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 19.04.2012 & 20.04.2012 | Presented | 201-205 | 02 | | CSIR |
| 16 | Estimation of Dynamic Forces on the Structures with Multi Hazard | National Conference on Advances in Concrete Construction Technology | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 19.04.2012 & 20.04.2012 | Presented | 55-59 | 02 | | CSIR |

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|----|--|---|---|-------------------------|--------------------------|-----------|----|-------|
| 15 | Strength Development of Natural Fiber Reinforced Concrete Composites | National Conference on Advances in Concrete Construction Technology | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 19.04.2012 & 20.04.2012 | Presented | 189-193 | 02 | CSIR |
| 14 | Performance Evaluation of Polypropylene Fiber in Cementitious Composites | National Conference on Advances in Concrete Construction Technology | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 19.04.2012 & 20.04.2012 | Presented | 184 - 188 | 02 | CSIR |
| 13 | Study and Characterisation of Foam Concrete | National Conference on Advances in Concrete Construction Technology | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 19.04.2012 & 20.04.2012 | Presented | 111-115 | 02 | CSIR |
| 12 | Investigation and Characteristics Study of Nanocements in Concrete – A Review | National Conference on Advancement in Concrete Technology | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 23.09.2010 & 24.09.2010 | Participated / Presented | 245-248 | 02 | AICTE |
| 11 | A State of Art on Nano Fiber Concrete Composites | National Conference on Advancement in Concrete Technology | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 23.09.2010 & 24.09.2010 | Participated / Presented | 269-272 | 02 | AICTE |
| 10 | Comparison on Effects of Temperature in Sugarcane Bagasse Ash as a Partial Replacement of Cement in Concrete Composites – A Review | National Conference on Advancement in Concrete Technology | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode. | 23.09.2010 & 24.09.2010 | Presented | 124-127 | 02 | AICTE |
| 9 | Propagation and Performance Evaluation of high performance Concrete Elements with Corrosion Environment | National Conference on Emerging Trends in Civil Engineering - 2010 | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode | 23.02.2010 | Presented | 138-145 | 01 | AICTE |
| 8 | Sugarcane Bagasse Ash as a Cement Replacement material in Cement Concrete | National Conference on Emerging Trends in Civil Engineering - 2010 | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode | 23.02.2010 | Presented | 180-183 | 01 | AICTE |

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| 7 | Experimental Study on Seismic Behaviour of Square Panel under Static Diagonal Loading | National Conference on Emerging Trends in Civil Engineering - 2010 | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode | 23.02.2010 | Presented | 103-110 | 01 | AICTE |
| 6 | Investigation on Shear Wall for Static and Dynamic Loads – A Review | National Conference on Emerging Trends in Civil Engineering - 2010 | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode | 23.02.2010 | Presented | 312-318 | 01 | AICTE |
| 5 | Natural Coagulant Moringa Oliefera | National Conference on Emerging Trends in Civil Engineering - 2010 | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode | 23.02.2010 | Presented | 192-198 | 01 | AICTE |
| 4 | Experimental Study on Composite Encased Beam Elements | National Conference on Contemporary Challenges & Pioneering Technologies in Civil Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode | 17.05.2010 & 18.05.2010 | Presented | 188-194 | 02 | CSIR |
| 3 | Experimental Study on Load Deflection Curve of Open Web Encased Beam | National Conference on Contemporary Challenges & Pioneering Technologies in Civil Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode | 17.05.2010 & 18.05.2010 | Presented | 182-187 | 02 | CSIR |
| 2 | A State of the Art Report on investigation of Shear wall for Static and Dynamic Loads | National Conference on Contemporary Challenges & Pioneering Technologies in Civil Engineering | Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode | 17.05.2010 & 18.05.2010 | Presented | 214-217 | 02 | CSIR |
| 1 | Strength Development of High Strength Concrete with Partial Replacement of Cement by Silica Fume and GGBS | TEQIP – Sponsored National Conference on Recent Developments in Concrete | Department of Civil Engineering, Government College of Technology, Coimbatore. | 21.12.2006 & 22.12.2006 | Participated and Presented | 389-396 | 02 | TEQIP |
| Total No of Papers Published: | | | | | | 29 | | |
| Total No of Days Participated : | | | | | | 52 | | |

22. R & D Details

(i). Ph. D Guided (11)/ Guiding (6)

| S. No. | Name of Student | Year of completion/ registration | Title of the Thesis | Status (Completed/ Ongoing) | Principal Guide & Co-Guide if any |
|--------|------------------|----------------------------------|---------------------|-----------------------------|-----------------------------------|
| 18 | Mr. Sagar darur | 2023 | - | Ongoing | Principal Guide |
| 17 | Mrs. Shruthi B S | 2022 | - | Ongoing | Principal Guide |

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|----|----------------------|-------------------------------|--|-----------|---------------------------------------|
| 16 | Mr. Anoop P P | 2022 | Biochar incorporated BioConcrete | Ongoing | Principal Guide |
| 15 | Ms. Niveditha M | Aug 2021 | Manufacture of ferrock for carbon-negative concrete | Ongoing | Principal Guide |
| 14 | Ms. Preeti Chaudhary | Aug 2021 | Characterization Of Microbially Induced Calcite Precipitate Polymorphs In Cementitious Composite | Ongoing | Principal Guide |
| 13 | Mr. Arjun S | Aug 2021 | Characterization Of Pore Solution And Correlation To The Cement Based System Performance | Ongoing | Principal Guide |
| 12 | Mr. Basil Baby | Aug 2019 | Development of an Innovative Bio-Mortar for Enhancing Durability of Concrete Structures | Ongoing | Principal Guide |
| 11 | Dr. Senthamilselvi P | Jan 2021/ Jan 2010 | An experimental investigation on properties of fly Ash based geopolymers concrete incorporated with Paper sludge ash | Completed | Principal Guide with Joint Supervisor |
| 10 | Dr. PRASANTHNI P | March 2019/ Jan 2010 | Strengthening of Reinforced Concrete Beam with Polyvinyl Alcohol Cementitious Composites and Basalt Fiber Fabric | Completed | Principal Guide |
| 9 | Dr. B.PRIYA | Dec 2018/ Jan 2010 | Effect of hybrid fiber Reinforcement on the Structural Behaviour of beam and Beam – column joint | Completed | Principal Guide |
| 8 | Dr. M. Gunasekaran | July - 2017/ Jan - 2012 | Light weight concrete | Completed | Principal Guide |
| 7 | Dr. N. Sudharsan | May -2017 / June-2011 | Experimental Study on Strength and Durability Properties of Glass powder in Brick and Brick Masonry | Completed | Principal Guide |
| 6 | Dr. P. Sudha | June -2017 / October-2009 | Study on Strength and Durability Characteristics of Treated and Un treated Clay with cement Mortar | Completed | Principal Guide with Joint Supervisor |
| 5 | Dr. Ajmal Muhammed | March 2016/ Jan 2021 | Experimental study on alkali-modified fly ash coarse aggregate in Structural concrete | Completed | Principal Guide with Joint Supervisor |
| 4 | Dr. P. Jagadeesan | November-2015/ October - 2009 | Study on the strengthened infilled RC frame Structure using Basalt fibre reinforced cement mortar | Completed | Principal Guide |
| 3 | Dr. Senthil Kumar V | October -2014/ July - 2010 | Experimental studies on strength and durability characteristics of cement mortar embedded with bacterial species. | Completed | Principal Guide |
| 2 | Dr. Muralimohan N | December- 2014/ July - 2010 | Feasibility studies on tri – blended natural coagulants for | Completed | Principal Guide |

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|---|-------------------|---------------------------------|---|-----------|-----------------|
| | | | the treatment of textile mill effluent | | |
| 1 | Dr. Dineshkumar G | August -2014/ October - 2009 | Study on strength characteristics and structural behavior of polyester and basalt fiber reinforced concrete | Completed | Principal Guide |

(iii M.Tech (R) Project Guided (2)

| S.No. | REGISTER NO. | NAME | TITLE OF PROJECT | MONTH AND YEAR OF COMPLETION |
|-------|--------------|------------------------|--|------------------------------|
| 2 | 202ST003 | BOKADE SWAPNIL TRIMBAK | SHEAR STRENGTH OF RC EXTERIOR BEAM - COLUMN JOINTS : AN AUTOMATED ENSEMBLE LEARNING APPROACH WITH SENSITIVITY ANALYSIS | JULY 2022 |
| 1 | 193ST003 | SHREYAS ALAGUNDI | MODEL FOR JOINT SHEAR STRENGTH OF RC BEAM-COLUMN JOINT SUBJECTED TO SEISMIC LOADING | JUNE 2021 |

(iii). M.E/ M.Tech Project Guided (27)

| S.No. | REGISTER NO. | NAME | TITLE OF PROJECT | MONTH AND YEAR OF COMPLETION |
|-------|--------------|-----------------------------|--|------------------------------|
| 27 | 202ST003 | AMBATI VAMSI | SEISMIC ANALYSIS OF A PSC I GIRDER BRIDGE USING NONLINEAR STATIC METHOD | JUNE 2022 |
| 26 | 202ST019 | NITESH NETAM | PREDICATION OF COMPRESSIVE STRENGTH AND WORKABILITY CHARACTERISTICS OF SELF – COMPACTING CONCRETE CONTAINING FLY ASH USING ARTIFICIAL NEURAL NETWORK | JUNE 2022 |
| 25 | 202ST011 | GONTUPULUGU SUMESH MANOHAR | PREDICTING THE AXIAL LOAD CARRING CAPACITY OF COLUMNS REINFORCED WITH GFRP REBARS USING ANN MODELING | JUNE 2022 |
| 24 | 202ST022 | BANOTH PRAVEEN KUMAR | NON - LINEAR STATIC ANALYSIS OF PRESTRESSED CONCRETE BRIDGE | JUNE 2022 |
| 23 | 202CM004 | AKSHAY J P | EXPERIMENTAL STUDY ON DURABILITY AND MECHANICAL PROPERTIES OF LIGHTWEIGHT MORTAR WITH ENCAPSULATED SPORE FORMING BACTERIA | JUNE 2022 |
| 22 | 192ST002 | AMAR BALBHEEM M | BEHAVIOUR OF STRUCTURES UNDER AXIALLY VARYING LOADS USING SHEAR AND NORMAL DEFORMATION THEORY AND RITZ METHOD | JUNE 2021 |
| 21 | 192ST019 | NAIKELE RUSHABH GANESH | STUDY ON BEHAVIOR OF EXTERNALLY BONDED RC RECTANGULAR BEAMS USING BFRP SHEETS | JUNE 2021 |
| 20 | 192ST028 | VUNDELA VENKATASATISH REDDY | STUDY ON BEHAVIOR OF EXTERNALLY BONDED RC RECTANGULAR BEAMS USING CFRP SHEETS | JUNE 2021 |
| 19 | 182ST005 | ASHWANI KUMAR | REINFORCED CONCRETE RECTANGULAR BEAM BY USING FIBRE REINFORCED POLYMER REBAR | JUNE 2020 |
| 18 | 182ST020 | RAJAT THAPLIYAL | STRENGTHENING OF REINFORCED CONCRETE RECTANGULAR BEAM BY USING BASALT FIBER REINFORCED POLYMER SHEETS | JUNE 2020 |
| 17 | 182ST010 | DAVULURI PREMA KUMAR | STRENGTHENING OF REINFORCED CONCRETE RECTANGULAR BEAM BY USING CARBON FIBER REINFORCED POLYMER SHEETS | JUNE 2020 |
| 16 | 182ST014 | KEERTHI V T | STRENGTHENING OF RC RECTANGULAR BEAM BY USING GLASS FIBER REINFORCED POLYMER SHEETS | MAY 2020 |

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|----|--------------|--------------------|---|-----------|
| 15 | 172ST027 | YARRABOTHULA ASHOK | Finite Element Modeling and analysis of RC Joint in ABAQUS by Strengthening with Polypropylene fiber under seismic lading | MAY 2019 |
| 14 | 172ST005 | HARITHA A | FEA for Shear Strengthening of Beam - Column Joint Under Cyclic Loading by Innovative Material | MAY 2019 |
| 13 | 172ST004 | HARISH P PATIL | FINITE ELEMENT MODELLING APPROACH FOR RC BEAM - COLUMN JOINTS STRENGTHENED BY GLASS FIBRE UNDER CYCLIC LOADING | MAY 2019 |
| 12 | 1438011 | SATHEESHKUMAR P | STRUCTURAL BEHAVIOUR OF GEOPOLYMER AGGREGATE CONCRETE IN BEAM-COLUMN JOINT | MAY 2016 |
| 11 | 1438012 | SATHYAPRASANTH V | STRUCTURAL BEHAVIOR OF GEOPLYMER CONCRETE FRAME BY CYCLIC LOADING | MAY 2016 |
| 10 | 1338012 | SHANKAR A | A STUDY ON CONCRETE USING ARTIFICIAL AGGREGATES | MAY 2015 |
| 9 | 1238001 | AJMAL MUHAMMED | EXPERIMENTAL WORK ON MANUFACTURING OF ARTIFICIAL AGGREGATED USING GEOPOLYMER TECHNIQUE | JUNE 2014 |
| 8 | 731511413005 | JEEVAKKUMAR R | STUDY ON GEOPOLYMER COATINGS FOR EVALUATION OF CORROSION PROTECTION OF STEEL REINFORCEMENT IN R.C.C STRUCTURES | JULY 2013 |
| 7 | 731511413010 | PRAVEEN KUMAR S | EXPERIMENTAL STUDY ON PRODUCTION OF ALKALINE ACTIVATED ARTIFICIAL AGGREGATE | JULY 2013 |
| 6 | 731511413011 | RAJA D | EXPERIMENTAL STUDY ON STRUCTURAL BEHAVIOUR OF BEAM COLUMN JOINT USING GEOPOLYMER CONCRETE | JULY 2013 |
| 5 | 731511413015 | SUMATHI S | STRUCTURAL BEHAVIOUR OF BEAM-COLUMN JOINT WITH BASALT FIBER REINFORCED CONCRETE | JULY 2013 |
| 4 | 101038605004 | CYRIL THOMAS A | INVESTIGATION ON DYNAMIC BEHAVIOUR OF CASTELLATED BEAMS | JULY 2012 |
| 3 | 101038605009 | GOERI SHANKAR K | STUDY AND CHARACTERISATION OF FOAM CONCRETE | JULY 2012 |
| 2 | 101038605012 | PRABU B | STRUCTURAL BEHAVIOUR OF DI-BLENDED FIBER REINFORCED CONCRETE SLAB PANEL | JULY 2012 |
| 1 | 091038605007 | GUNASEKARAN M | EXPERIMENTAL STUDIES ON COATING EFFECT OF NANO -SILICA FOR CORROSION REBARS | JUNE 2011 |

23. REVIEWER FOR NATIONAL AND INTERNATIONAL JOURNALS

- International Journal of Silicon – Springer, ISSN: 1876-9918
- Structural Concrete: Journal of the fib
- Indian Concrete Journal (ICJ), ISSN: 0019-4565
- Iranian Journal of Science and Technology (Engineering), ISSN : 1028 - 6284.
- Indian Journal of Engineering & Materials Sciences, ISSN : 0971 - 4588.
- International Journal of Earth Science and Engineering, ISSN 0974-5904.

24. DOCUMENTATION SKILLS

- An Editor in the Proceedings of “National Seminar on Awareness of Solid Waste Management” held at K.S.R. College of Engineering, Tiruchengode, Tamilnadu, India.
- An Editor in the Proceedings of “National Conference on Emerging Trends in Civil Engineering” held at K.S.R. College of Engineering, Tiruchengode, Tamilnadu, India.
- An Editor in the Proceedings of “AICTE Sponsored National Conference on Advancement in Concrete Technology” held at K.S.R. College of Engineering, Tiruchengode, Tamilnadu, India.
- An Editor in the Proceedings of “National Level Students Technical Symposium – LATTICE” held at K.S.R. College of Engineering, Tiruchengode, Tamilnadu, India.
- An Organizing chair and Editor in the Proceedings of “International Conference on Civil, Structural and Environmental Engineering” held at K.S.R. College of Engineering, Tiruchengode, Tamilnadu, India.
- An Editor in the Proceedings of “National Level One Day Workshop on Fundamentals of Ocean and Coastal Engineering” held at K.S.R. College of Engineering, Tiruchengode, Tamilnadu, India.
- An Editor in the Proceedings of “Disaster Management” held at K.S.R. College of Engineering, Tiruchengode, Tamilnadu, India and Sponsored by AICTE, New Delhi.

25.EVENTS ORGANIZED (15)

| S.No | EVENTS ORGANIZED | SPONSORED BY | Conference/Symposia/Seminar/Workshop |
|------|---|---|--------------------------------------|
| 16 | Two-day workshop on Non-Destructive Testing & Repair Material Characterization, NRMC-22 organized by the Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal, India during 3 rd - 4 th November 2022. Funded by DST - SERB, New Delhi. | DST – SERB New Delhi | National Workshop |
| 15 | One Week International Workshop on Durability of Concrete (IWODOC – 2020) Date: 26 th Oct – 30 th Oct, 2020, Sponsored by ICI, ICJ, ISTE Mangalore Local center, Dept. of civil Engg, NITK | NITK | International Workshop |
| 14 | One-Week Faculty Development Programme on “Fiber Reinforced Concrete and it’s Applications”, NITK Surathkal, 18.11.2019-22.11.2019 | TEQIP III | FDP |
| 13 | One day Seminar on “ Advancement in Concrete Technology ACT – 2017” Organized by, I.K Gujral Punjab Technical University, Dept. of Civil Engineering, Kapurthala, on 27.09.2017 | I.K Gujral Punjab Technical University | Seminar |

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| 12 | One day national level workshop on “ Advanced testing methods for Concrete” Organized by, K.S.R College of Engineering, Tiruchengode, on 22.03.2017 | KSRCE | Workshop |
| 11 | One Day National Seminar on “ Patent Filing in India and other Countries” Organized by, K.S.R College of Engineering, Tiruchengode, on 08.08.2016 | KSRCE | Seminar |
| 10 | Two days International workshop on “ Journal Writing and Preparation of Winner Research Proposal” K.S.R College of Engineering, Tiruchengode, from 19.08.2016 to 20.08.2016. | KSRCE | International Workshop |
| 9 | One day National level workshop on “Blooms Taxonomy and Its Assessments” Organized by, Office of the Controller of the Examinations, K.S.R College of Engineering, Tiruchengode, on 20.03.2015 | KSRCE | Workshop |
| 8 | Two weeks AICTE Sponsored Faculty Development Programme on “Disaster Management”, Organized by, K.S.R College of Engineering, Tiruchengode, from 10.05.2013 to 24.05.2013 | AICTE, New Delhi | Faculty Development Programme |
| 7 | CSIR Sponsored One Day National Seminar on Advancement in Concrete Technology” (NACT – 2012), K.S.R College of Engineering, Tiruchengode, India. 5 th November- 2012. | CSIR, New Delhi | Seminar |
| 6 | DRDO Sponsored three Days Workshop on “Systematic Technology Transfer for Sustainable Materials and Structures” (ST ₂ SMS – 2012) organized by K.S.R College of Engineering, Tiruchengode, on 22 nd and 24 th August 2012. | DRDO, New Delhi | Workshop |
| 5 | One day Seminar on “Fundamentals of Ocean and Coastal Engineering” (FOCE – 2011), K.S.R College of Engineering, Tiruchengode, India. September 2 nd 2011. | KSRCE | Seminar |
| 4 | International Conference on “Civil, Structural and Environmental Engineering” (ICSEE - 2011) at K.S.R College of Engineering, Tiruchengode, India. February 18 th & 19 th - 2011. | AICTE, CSIR & Others | International Conference |
| 3 | AICTE Sponsored National Conference on “Advancement in Concrete Technology” (NCACT – 10) at K.S.R College of Engineering, Tiruchengode, India. September 23 rd & 24 th - 2010 | AICTE, New Delhi | Conference |
| 2 | National Conferences on “Emerging Trends in Civil Engineering” at K.S.R College of Engineering, Tiruchengode, India . February 23 rd - 2010. | KSRCE | Conference |
| 1 | National Seminar on “Awareness of Solid Waste Management” on 21.10.2009, at Department of Civil Engineering, K.S.R. College of Engineering, Tiruchengode, India. | KSRCE | Seminar |

26. FOREIGN COUNTRIES VISITED

| S.No | COUNTRIES VISITED | Duration | Purpose |
|------|----------------------------|-------------------------|--|
| 1 | Malaysia | 04.05.2016 – 05.05.2016 | National University of Malaysia for International Conference |
| 2 | Singapore | 06.05.2016 – 07.05.2016 | National University of Singapore for Research facility interchange |
| 3 | Thailand | 24.08.2016 – 27.08.2016 | For International Conference |
| 4 | United Arab Emirates (UAE) | 25.01.2017 – 26.01.2017 | For International Conference |

Declaration

I hereby declare that the above furnished information by me is true to the best of my knowledge and belief.

Date : 01-11 - 2023

Sd/-

Place : Surathkal

(Dr. T Palanisamy)