

National Institute of Technology, Tiruchirappalli:  
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**Curriculum Vitae**



Dr.P.A.Krishnan has completed his Pre-degree from Calicut University in the year 1978, B.Tech in Civil Engineering from IIT Delhi in the year 1984. He completed his M.Tech in Engineering Mechanics from IIT Madras with Best Academic Record in the year 1986 and Ph.D from IIT Madras in the year 1991. He has joined in National Institute of Technology (formerly Regional Engineering College), Tiruchirappalli in the year 1990 and currently working as **Professor** in the Department of Civil Engineering. He has worked as Senior Research Assistant in the University of Liverpool, UK between 1997-1998.

He has guided more than 42 Post graduate projects works in various fields such as Structural Dynamics, Plates and Shells, Vibrational Analysis, Applied Mechanics, Numerical Methods and Compositated materials. One Scholar has completed Ph.D and currently four Ph.D Scholars are working under his guidance. He has published 21 papers in International/National journals, 13 papers in International Conferences and more than 10 papers in National Level Conferences. He is actively involved in construction material testing consultancy works. And he is also a life member of the professional bodies – Indian Society for Technical Education and fellow in Institution of Engineers, India and Indian Geotechnical Society.

|    |                               |   |
|----|-------------------------------|---|
| 1. | Name                          | <b>Dr.P.A.Krishnan</b>  |
| 2. | Designation                   | Professor   |
| 3. | Office Address                | Department of Civil Engineering,<br>National Institute of Technology,<br>Tiruchirappalli – 620015 |
| 4. | Telephone (Optional)          | 04312503158 (Direct)  |
|    | Mobile (Optional)             | 8129769531  |
| 5. | Email (Primary): pak@nitt.edu | Email (Secondary):<br><a href="mailto:p_a_krishnan@yahoo.com">p_a_krishnan@yahoo.com</a>          |
| 6. | Field(s) of Specialization:   | Applied Mechanics   |

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**7. Employment Profile**

| Job Title                 | Employer                    | From | To        |
|---------------------------|-----------------------------|------|-----------|
| Lecturer                  | REC, Trichy                 | 1990 | 1997      |
| Senior Research Assistant | University of Liverpool, UK | 1997 | 1998      |
| Assistant Professor       | NIT Trichy                  | 1999 | 2008      |
| Professor                 | NIT Trichy                  | 2008 | Till date |

**8. Academic Qualifications (From Highest Degree to High School):**

| Examination | Board / University             | Year | Subjects                                    |
|-------------|--------------------------------|------|---|
| X           | Kerala State Educational Board | 1976 | All subjects                                |
| Pre-Degree  | Calicut University             | 1978 | Physics, Chemistry and Maths Specialization |
| B.Tech      | IIT, Delhi                     | 1984 | Civil Engineering                           |
| M.Tech      | IIT, Madras                    | 1986 | Engineering Mechanics                       |
| Ph.D        | IIT, Madras                    | 1991 | Applied Mechanics                           |

**9. Academic/Administrative Responsibilities within the University**

| S.No | Name of the Activity  | Year |
|------|---|------|
| 1.   | Acted as M.Tech Structural Engineering Coordinator  | 1    |
| 2.   | Acted as Chairman of different class committees   | 1    |
| 3.   | Acted as Coordinator of M.Tech projects   | 3    |
| 4.   | Acted as member of PG Admission Committee   | 1    |
| 5.   | Acted as member of M.S/Ph.D Admission Committee   | 1    |
| 6.   | Involved in purchase of equipment for Structural Engineering Lab, Strength of Materials lab and Survey Lab. | 1    |
| 8.   | TEQIP Books purchase Committee  | 1    |
| 9.   | Arranged Class Seminars and Field Visits for students.  | 1    |

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|     |   |   |
|-----|---|---|
| 10. | Acted as member, Scrutinizing Committee for Lecturer Selection in Civil Engineering Department.   | 1 |
| 11. | Acted as 1 <sup>st</sup> year Co-Ordinator of Engineering Mechanics.  | 1 |
| 12. | Acted as Resource person for SESTRAD organized by Department of Civil Engineering, REC Trichy.  | 1 |
| 13. | Organized two day Workshop on Finite Elements methods for engineers on 1 <sup>st</sup> and 2 <sup>nd</sup> February 2007 under TEQIP Community Service. | 1 |
| 14. | As QIP coordinator  | 1 |
| 15. | As Hostel Warden  | 1 |
| 16. | Currently guiding Ph.D. and M.S candidates  | 4 |

**10. Academic/Administrative Responsibilities outside the University**

| Position                   | Institution  | Year |
|----------------------------|--------------|------|
| Member in Board of Studies | CUSAT, KOCHI | 1    |

**11. Awards, Associateships etc.**

| Year of Award | Name of the Award   | Awarding Organization |
|---------------|---|-----------------------|
| 1986          | Student with the best Academic Record in M.Tech in Engineering Mechanics. | IIT, Madras           |

**12. Fellowships**

| S.No | Name of the Fellowship | Awarding Organization           |
|------|------------------------|---------------------------------|
| 1.   | FIE                    | Institution of Engineers, India |
| 2.   | FIGS                   | Indian Geotechnical Society     |

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**13. Details of Academic Work**

- (i) Curriculum Development
- (ii) Courses taught at Postgraduate and Undergraduate levels
  - a) Structural Analysis
  - b) Advanced Strength of Material
  - c) Mechanics of Solids
  - d) Experimental Stress Analysis
  - e) Structural Dynamics
  - f) Theory of Elasticity And Plasticity
  - g) Theory of plates
  - h) Finite Element Methods
  - i) Engineering Mechanics
  - j) Basics Civil Engineering

**iii) Projects guided at Postgraduate level**

| S.No | Name of the Thesis   | Year |
|------|--|------|
| 1.   | Effect of Finite Sizes of Joints on Static and Dynamic Behaviour of Frames                 | 1994 |
| 2.   | An analytical study on the behavior of SSRC Plate under combined inplane and Lateral Load. | 1995 |
| 3.   | An Experimental Investigation on the Efficiency of Beam column joints                      | 1995 |
| 4.   | Analysis of Multistorey frames using Guyan Reduction Procedure.                            | 1999 |
| 5.   | Analysis of Plates Using Integral Equation Method  | 1999 |
| 6.   | Analysis Of Rectangular Plates Using Stadd – Iii   | 1999 |
| 7.   | Base Isolation of framed structures  | 2001 |
| 8.   | Vibration of Shell Panels Using Integral Equation Method                                   | 2001 |
| 9.   | Static Analysis of plates Using Three Noded Triangles                                      | 2002 |
| 10.  | Analysis of thin Conical Shell panels Using Integral Equation Method                       | 2002 |
| 11.  | Vibration of Spherical panels Using Integral Equation method                               | 2002 |
| 12.  | Static Analysis of Hybrid Laminated Beams using Shear Deformation Theories                 | 2003 |
| 13.  | Analysis of Stiffened plates Using ANSYS 5.6.  | 2003 |
| 14.  | Static and Dynamic Analysis of Orthotropic Triangular Plates                               | 2003 |
| 15.  | Analysis of Laminated Composite Plates using Integral Equation method                      | 2003 |
| 16.  | Integral Equation Schemes of Laminated Beams.  | 2003 |

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|     |   |      |
|-----|---|------|
| 17. | Static Analysis of Thick Plates Using Integral Equation method  | 2004 |
| 18. | Buckling of Plates subjected to Compressive In plane loading  | 2004 |
| 19. | Static and Dynamic Analysis of Laminated Composite Plates   | 2004 |
| 20. | Static and Dynamic Analysis of Thin plates by Finite Difference Method                                  | 2004 |
| 21. | Static Analysis of Steel and Laminated Composite Plates Using FE method based on Strain Approach.       | 2005 |
| 22. | Buckling and Ultimate Load Carry Capacity of Stiffened tapered Plates                                   | 2005 |
| 23. | Analysis of Laminated Plates  | 2006 |
| 24. | Performance Based Seismic Design of moment resistant Frames   | 2006 |
| 25. | Earthquake Analysis of Visco-elastic Damped Multi-storied Building                                      | 2006 |
| 26. | Analysis of Cylindrical Shells using Integral equation Technique  | 2006 |
| 27. | Vibration Laminated Composite Plates Using Finite Difference Method                                     | 2007 |
| 28. | Static and Dynamic Analysis of Homogeneous Isotropic Rectangular Plates using Finite Difference Method. | 2007 |
| 29. | Analysis of Beams and Plates due to Moving Loads  | 2007 |
| 30. | 3-Dimensional Time History Analysis of Multi-storey Buildings with ADAS Dampers                         | 2007 |
| 31. | Analysis of Trapezoidal Corrugated Plates Using ANSYS – 11  | 2007 |
| 32. | Seismic Analysis of High Rise Buildings Considering the Effect of Floor Slabs                           | 2007 |
| 33. | Free vibration Analysis of Bridge Trusses   | 2009 |
| 34. | Development of Plastic Hinges for Steel Concrete Composite Columns                                      | 2009 |
| 35. | Free Vibration Analysis of Clamped Laminated Cylindrical Panels using an Integral equation Method       | 2009 |
| 36. | Analysis of Laminated Plates subjected to Moving Load/mass  | 2009 |
| 37. | Analysis of Laminated Plates subjected to moving Oscillators  | 2010 |
| 38. | Analysis of Laminated Skew Plates Using Integral Equation Method  | 2010 |
| 39. | Push over Analysis of Steel-Concrete Composite Framed Structures  | 2010 |
| 40. | Three dimensional Vibration Analysis of Orthotropic Plates By using Radial Basis Functions              | 2010 |

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|     |   |      |
|-----|---|------|
| 41. | Analysis of Masonry Infilled RC and Steel Frames with Seismic Infill Wall Isolator Subframe (SIWIS) System  | 2011 |
| 42. | Free Vibration analysis of Laminated Composited Annular Plates  | 2011 |
| 43. | Study of Sandwich Beams with different Core Geometries Subjected to One point loading   | 2012 |
| 44. | Analysis of Thick Plates Using Integral Equation Method   | 2011 |
|     |   | 2011 |
| 45. | Stress Prediction At Composite L-Brackets at Bolt or Nut Connections  | 2013 |
| 46. | Free Vibration Analysis of Laminated Composite Circular Cylindrical Shells  | 2013 |
| 47. | Free Vibration Analysis of Laminated Composite Plates with Cutouts  | 2013 |
| 48. | Interfacial Stress Analysis of Externally Plated Reinforced Concrete Beams  | 2013 |
| 49. | Free Vibration Analysis of Composite Skew Plates  | 2013 |
| 50. | Behaviour of Piles Under Static and Dynamic Loads   | 2014 |
| 51. | Analysis of the Effect of Stiffener Profile On Buckling Strength in Cylindrical Shells with Reinforced Cut Out  | 2015 |
| 52. | Free vibration Analysis of Isotropic and Laminated Composite Cylindrically Curved Shell Panles  | 2015 |
| 53. | Free vibration Analysis of Square Plates with different crack Configurations  | 2015 |
| 54. | Optimal sizing and placement of Inflatable Stiffeners in High Altitude Airships   | 2015 |
| 55. | A comparision between Static Responses of Power- Law, Sigmoid, Exponential Functionally Graded (FG) Shell Under Thermal Loading Using Finite Element Method | 2015 |
| 56. | Numerical Evaluation of Ferro Cement Panels using ABAQUS  | 2016 |
| 57. | Seismic Performance of RC Frames Retrofitted with CFRP at joints  | 2016 |
| 58. | Analysis of Functionally Graded Open Cylindrical Shell Structure Under Thermal Loading  | 2016 |
| 59. | Buckling Analysis of Circular Plate with Shape Memory Alloys subjected  | 2016 |

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|     |  |      |
|-----|--|------|
|     | to both temperature and mechanical loading Using ABAQUS  |      |
| 60. | Moment Gradient Factor of Mono-Symmetric Stepped I-Beams   | 2017 |
| 61. | Experimental Investigation and Strengthening of the Weaker Plane in a Profiled Composite Deck Slab | 2017 |
| 62. | Finite Element Analysis of Concrete Filled Tubular Flanged Girder with Corrugated Web              | 2017 |
| 63. | Behavior of shells with corrugations   | 2017 |

**15. Number of B.Tech Project guided**

| S.No. | Name of thesis   | Year |
|-------|--|------|
| 1.    | Seismic and wind behavior of RC elevated water tank in various seismic zones to plot the graph of the critical reaction values | 2015 |
| 2.    | Comparison of fixed base and base isolation technique in a medium- rise building   | 2015 |
| 3.    | Vibrational analysis of 2D bending Frame by Finite Element in MATLAB   | 2015 |

**16. Number of M.S Project guided**

| S.No | Name of Thesis                                   | Year |
|------|--|------|
| 1.   | Finite Element Analysis of Girder Pin Connection | 2018 |

**17. Number of Ph.Ds guided**

| S.No | Title of Ph.D Thesis  | Year of Award  |
|------|---|----------------|
| 1.   | “Studies on Strength and Behaviour of Retrofitted RCC Beams”  | 2011           |
| 2.   | Behavioural Study and Strengthening of Steel Circular Hollow Cylinders with and without Circular Cut- outs and Dents. | 2012 - Ongoing |
| 3.   | Seismic behavior of Frame with Friction Damper  | 2014 - Ongoing |
| 4.   | Experimental assesement of strengthening technique for brick masonry.   | 2015 - Ongoing |

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**18. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)**

| <b>Date (s)</b>   | <b>Title of Activity</b>  | <b>Venue</b>                                  |
|---|---|---|
| 16 <sup>th</sup> to 21 <sup>st</sup><br>August<br>1993      | Environmental Impact Analysis of Water Resources Projects , CWRDM   | CWRDM, Kozhikkode                             |
| 19 <sup>th</sup> Oct to<br>1st Nov<br>1998.                 | AICTE Shortterm Course on Vibration Engineering   | REC , Calicut                                 |
| 16 <sup>th</sup> to<br>27 <sup>th</sup> May<br>1994         | Recent Developments in Analysis and Design of Offshore Structures   | REC Calicut                                   |
| 17 <sup>th</sup> to 31 <sup>st</sup><br>May 1995            | AICTE Shortterm Course on System Simulation with Digital Computer with Special Emphasis on Project Management | REC Calicut                                   |
| 21 <sup>st</sup> to<br>51 <sup>st</sup><br>December<br>1999 | Random Vibration and Application to Earthquake Engineering,IIT Kharagpur                                      | IIT Kharagpur                                 |
| 11 <sup>th</sup> to<br>15 <sup>th</sup> July<br>2005        | Probability Methods in Earthquake Engineering (PMEE 2005)   | IIT Madras                                    |
| 28 <sup>th</sup><br>March<br>2007                           | Acted as a Resource person for SESTRAD  | Department of Civil Engineering<br>REC Trichy |

**19. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)**

| <b>Title of Activity</b>                         | <b>Level of Event (International/ National/ Local)</b> | <b>Date (s)</b>   | <b>No.of Participants</b> | <b>Sponsored by</b> |
|--|--|---|---------------------------|---------------------|
| Workshop on Finite Element Methods for Engineers | National   | 1 <sup>st</sup> and<br>2 <sup>nd</sup> February<br>2007 | 50                        | TEQIP               |



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**20. Invited Talks delivered**

| S.No. | Name of the Topic  | Date   | Inviting Organization                             |
|-------|--|--|---|
| 1.    | Random Vibration and applications to Earthquake Engineering. | 21 <sup>st</sup> – 31 <sup>st</sup><br>Dec 1999      | Department of Civil Engineering,<br>IIT Karagpur. |
| 2.    | Finite Element Method  | 21 <sup>st</sup> – 23 <sup>rd</sup><br>March<br>2013 | Department of Civil Engineering,<br>NIT Trichy.   |

**21. Membership of Learned Societies**

| Type of Membership<br>(Ordinary Member/<br>Honorary Member / Life<br>Member ) | Organization                           | Membership No. |
|---|--|----------------|
| FIE   | Institution for Engineers, India       | F-114118-6     |
| MISTE   | Indian Society for Technical Education | LM 13953       |
| FIGS  | Indian Geotechnical Society            | LF 0505        |

**22. Publications**

**(A) Refereed Research Journals:**

| Author(s)                         | Title of Paper                        | Journal                        | Volume (No.) | Page numbers | Year |
|-----------------------------------|---------------------------------------|--------------------------------|--------------|--------------|------|
| R.S.Srinivasan,<br>P. A. Krishnan | Vibration of Cylindrical Shell Panels | Journal of Sound and Vibration | 114(3)       | 583-587      | 1987 |
| R.S.Srinivasan,<br>P. A. Krishnan | Vibration of Conical Shell Panels     | Journal of Sound and Vibration | 117(1)       | 153-160      | 1987 |

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|--|---|--|--------|-----------|------|
| R.S.Srinivasan,<br><b>P. A. Krishnan</b> | Dynamic Analysis of Stiffened Shell Panels  | Computers and Structures                 | 33(3)  | 831-837   | 1989 |
| R.S.Srinivasan,<br><b>P. A. Krishnan</b> | Dynamic Analysis of Layered Conical Shell Panel Using Integral Equation Technique                                 | Computers and Structures                 | 31(6)  | 897-905   | 1989 |
| R.S.Srinivasan,<br><b>P. A. Krishnan</b> | Response of Orthogonally Stiffened Cylindrical Shell Panels   | AIAA Journal                             | 28(6)  | 1144-1145 | 1990 |
| R.S.Srinivasan,<br><b>P. A. Krishnan</b> | Integral Equation Technique Using Normal Mode Method for Nonlinear Random Vibration of Clamped Rectangular Plates | Probabilistic Engineering Mechanics      | 3(4)   | 204-209   | 1990 |
| R.S.Srinivasan,<br><b>P. A. Krishnan</b> | Application of Integral equation Technique to Nonlinear Stochastic Response of Rectangular Plates                 | Journal of Acoustical Society of America | 88(5)  | 2277-2283 | 1990 |
| R.S.Srinivasan,<br><b>P. A. Krishnan</b> | Random Response of Thick Laminated Rectangular Plates   | Journal of Vibration and Acoustics       | 113(3) | 286-291   | 1991 |

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|   |   |  |            |         |       |
|---|---|--|------------|---------|-------|
| <b>J. Blachut, L.S. Ramachandra, P. A. Krishnan</b> | Experimental and Numerical Investigation of Plastic Loads for Internally Pressurized Vessel Heads | Pressure Vessel and Piping Codes and Standards   | Vol.360    | 345-359 | 1998  |
| <b>P. A. Krishnan and Uma</b>                       | Analysis of Rectangular Plates Using Integral equation Method                                     | Journal of Structural Engineering, SERC Journal  | 27(4)      | 283-285 | 2001  |
| <b>P. A. Krishnan and Senthil Kumar</b>             | Static Analysis of Hybrid Laminated Beams Using Shear Deformation Theories                        | Journal of Structural Engineering, SERC Journal. | 32(4)      | 327-332 | 2005  |
| <b>P. A. Krishnan and Smitha George</b>             | “ Forced Response of Angle Ply Laminates using Finite Difference Method                           | Institution of Engineers (India) Journal         | Vol.88     | 28-33   | 2007  |
| <b>P. A. Krishnan and Simi Gopalan</b>              | Static and Dynamic Analysis of Cylindrical Shells using Integral equation Method                  | University Journal of Structural engineering     | Vol.I No.1 | 76-81   | 2008  |
| <b>P. A. Krishnan and Ranjitha</b>                  | Static and Dynamic Analysis of Rectangular Plates with Linearly Varying Thickness                 | Institution of Engineers (India) Journal         | Vol.89     | 3-7     | 2009. |
| <b>N.S.Padmavathy</b>                               | Free vibration  | International                                    | Vol 08     | 1214-   | 2015  |

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|--|---|---|------------------|---------------|------|
| <b>P.A.Krishnan</b><br>and Bharath<br>Reddy                            | Analysis of<br>Prestressed<br>Circular<br>Cylindrical<br>Shells using<br>ABAQUS                               | Journal of<br>Earth<br>Sciences<br>and<br>Engineering   | No.3             | 1221          |      |
| N.S.Padmavathy<br>and<br><b>P.A.Krishnan</b>                           | Buckling<br>Analysis of<br>Circular<br>Cylindrical<br>Shells with<br>Circular Cut-<br>outs                    | International<br>Journal of<br>Applied<br>Engineering   | Vol 10<br>No.62  | 408-412       | 2015 |
| Thavamani<br>Charles,<br><b>P.A.Krishnan</b><br>and V.<br>Ramachandran | Finite<br>Element<br>Analysis of<br>Girder Pin<br>Connections   | International<br>Journal of<br>Science and<br>Research  | Vol 5<br>Issue8  | 1229-<br>1234 | 2016 |
| Vipin V. P,<br><b>P.A.Krishnan</b>                                     | A Finite<br>Element<br>Study on the<br>performance<br>of corrugated<br>Steel Sections<br>under<br>Compression | Journal of<br>Engineering<br>Technology<br>&<br>Innovative<br>Research  | Vol 4<br>Issue5  | 249-251       | 2017 |
| Ravikiran and<br><b>P.A.Krishnan</b>                                   | Finite<br>Element<br>analysis of<br>Curved Steel<br>Girders with<br>Tubular<br>Flanges                        | International<br>Journals for<br>Advanced<br>research in<br>Basic<br>Engineering<br>Science and<br>Technology | Vol 3<br>Issue24 |               | 2017 |
| Vipin V. P,<br><b>P.A.Krishnan</b>                                     | Behaviour of<br>Cylindrical<br>Shells with<br>Cut-outs  | International<br>Journals for<br>Advanced<br>research in<br>Basic<br>Engineering<br>Science and<br>Technology | Vol 3<br>Issue24 |               | 2017 |
| Sadiq Ali and<br><b>P.A.Krishnan</b>                                   | Optimization<br>of Stepped I<br>beams for<br>Lateral<br>Torsional   | International<br>Journals for<br>Advanced<br>research in<br>Basic   | Vol 3<br>Issue24 |               | 2017 |

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|---------------------------------------|--|--|---------------|--|------|
|                                       | Buckling   | Engineering Science and Technology   |               |  |      |
| Sundararooban and <b>P.A.Krishnan</b> | Finite Element Modelling and Behaviour of profiled Composite deck slabs subjected to Bending | International Journals for Advanced research in Basic Engineering Science and Technology | Vol 3 Issue24 |  | 2017 |

**23) Conferences/Workshops/Symposia Proceedings**

| Author(s)   | Title of Abstract/ Paper  | Title of the Proceedings   | Venue  | Year   |
|---|---|--|--|--|
| J. Blachut, L.S. Ramachandra, <b>P.A. Krishnan</b>        | Plastic and Shakedown Loads for Internally Pressurized Domes made from Strain Hardening materials | Proceeding, 9 <sup>th</sup> International Conference On Pressure Vessel Technology                 | Sydney Australia,                              | April 2000   |
| <b>P.A.Krishnan</b> , S. U. Mathangi and M. Asok Kumar    | Effect of Damping in Base Isolated Framed Structures  | 2 <sup>nd</sup> National Conference on Recent Trends in Concrete Composites for Structural Systems | Kongu Engineering College, Perunthurai,        | 14 <sup>th</sup> and 15 <sup>th</sup> March 2007.    |
| E. Satheesh kumar <b>P.A. Krishnan</b> and M. Ashok Kumar | Seismic Analysis of Visco- Elastic Damped Multi-storey Buildings                                  | International Conference in Emerging Technologies and Science                                      | Amogh Siddhi Educational Society, Maharashtra, | February 13 <sup>th</sup> and 14 <sup>th</sup> 2008. |
| <b>P.A. Krishnan</b> M. Ashok Kumar and S. Damodharan     | Base Isolation of Framed Structures   | National Conference of Emerging Technologies in Civil Engineering for Sustainable Development      | SRKR College, Bhimavaram,                      | 27 <sup>th</sup> to 29 <sup>th</sup> December 2006   |
| <b>P.A. Krishnan</b> and Smitha                           | Vibration of Laminated  | National Conference on Focus on Advances in  | TKM College of Engineering,                    | 1 <sup>st</sup> to 3 <sup>rd</sup> Feb. 2007         |

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|---|--|--|---|--|
| George  | Composite Cross Ply Plates Using Finite Difference Method                        | Civil Engineering  | Kollam,   |  |
| <b>P.A.Krishnan</b>                                   | Free Vibration of Skew Laminated Plates using Integral Equation Method           | TECHNOLOGIA , MPCCET, Bhilai   | MPCCET, Bhilai  | 24 <sup>th</sup> and 25 <sup>th</sup> February 2010  |
| <b>P.A.Krishnan</b>                                   | Analysis of Laminated Plate Subjected to Moving Load                             | Technologia , MPCCET, Bhilai(Chattishgarh)   | MPCCET, Bhilai  | 24 <sup>th</sup> and 25 <sup>th</sup> February 2010, |
| <b>P.A. Krishnan</b> and S. Parmar                    | A Comparative Study of Loading Resistant to Sandwich Beam panel                  | Recent Trends in Structural Engineering  | Vijnana Jyothi Institute of Engineering and Technology, JNTU, Hyderabad | 6 <sup>th</sup> and 7 <sup>th</sup> January 2012     |
| B Shushoban and <b>Dr. P.A. Krishnan</b>              | Free vibration analysis of stiffened shells                                      | International Conference on Advances in Civil Engineering and Chemistry of Innovative Materials ACECIM | SRM University, Chennai.  | March 2014   |
| <b>P.A.Krishnan</b> and Fareed Kumar                  | Free Vibration Analysis of Composite Skew Plates                                 | National Conference on Sustainable Development NCSDC ' 14  | Hindustan University of Technology and Science, Chennai                 | 28 <sup>th</sup> March 2014                          |
| .S. Padmavathy, <b>P.A.Krishnan</b> and Bharath Reddy | Free Vibration Analysis of Pre-stressed Circular Cylindrical Shells using ABAQUS | National Conference on Advancements in Materials Construction and Sustainable Environment (AMCSE-2014) | Kalasalingam University   | 29 <sup>th</sup> March 2014                          |
| Aniruddh Maddi and <b>P. A. Krishnan</b>              | Interfacial Stress Analysis of Externally Plated RC Beams                        | Futuristic Innovations and Emerging Trends in Civil Engineering FIETCE "14                             | Department of Civil Engineering, B.S.Abdurahman University, Chennai     | 5 <sup>th</sup> and 6 <sup>th</sup> May 2014         |

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|---|--|--|---|--|
| M.Sabareesan<br>and <b>P. A.<br/>Krishnan</b>   | Free Vibration<br>analysis of edge<br>cracked plate<br>with different<br>crack<br>configurations             | International Conference<br>on Advances in Civil<br>Engineering materials and<br>process   | (ICACEMAP -<br>2015), CIT   | 7-9 <sup>th</sup><br>January<br>2015             |
| N.S.Padmavathy<br>and <b>P. A.<br/>Krishnan</b> | Buckling<br>analysis of<br>circular<br>Cylindrical<br>Shells with<br>Circular Cut-<br>Outs                   | International Conference<br>on Advances in Civil<br>Engineering materials and<br>process   | (ICACEMAP -<br>2015), CIT   | 7-9 <sup>th</sup><br>January<br>2015             |
| N.S.Padmavathy<br>and <b>P. A.<br/>Krishnan</b> | Numerical<br>analysis of<br>Circular Hollow<br>Sectioned Pipes<br>with Cut-Outs                              | International Conference<br>on Recent Trends in<br>Engineering and material<br>Science     | (ICEMS 2016),<br>Jaipur National<br>University,<br>Jaipur,<br>Rajasthan, India. | 17 <sup>th</sup> -19 <sup>th</sup><br>March 2016 |
| Vipin .V.P, <b>P. A.<br/>Krishnan</b>           | Behaviour of<br>cylindrical shells<br>with Cut-Outs  | Internatioinal Conference<br>on Recent Trends in<br>Engineering, Science and<br>Technology | (ICRTEST-17),<br>Sri Ramanathan<br>Engineering<br>College, Tirupur,<br>TN       | 8 <sup>th</sup> – 9 <sup>th</sup><br>March 2017  |
| Ravi Kiran and<br><b>P. A. Krishnan</b>         | Finite Element<br>analysis of<br>curved Steel<br>girders with<br>Tubular Flanges                             | Internatioinal Conference<br>on Recent Trends in<br>Engineering, Science and<br>Technology | (ICRTEST-17),<br>Sri Ramanathan<br>Engineering<br>College, Tirupur,<br>TN       | 8 <sup>th</sup> – 9 <sup>th</sup><br>March 2017  |
| Sadiq Ali and<br><b>P. A. Krishnan</b>          | Optimisation of<br>stepped I-Beams<br>for Lateral<br>Torsional<br>Buckling                                   | Internatioinal Conference<br>on Recent Trends in<br>Engineering, Science and<br>Technology | (ICRTEST-17),<br>Sri Ramanathan<br>Engineering<br>College, Tirupur,<br>TN       | 8 <sup>th</sup> – 9 <sup>th</sup><br>March 2017  |
| Sundararooban<br>and <b>P. A.<br/>Krishnan</b>  | Finite Element<br>Modeling of<br>behavior of<br>profiled<br>composite Deck<br>slabs subjected<br>to bending. | Internatioinal Conference<br>on Recent Trends in<br>Engineering, Science and<br>Technology | (ICRTEST-17),<br>Sri Ramanathan<br>Engineering<br>College, Tirupur,<br>TN       | 8 <sup>th</sup> – 9 <sup>th</sup><br>March 2017  |