




## FACULTY PROFILE

Department: Engineering Mathematics

### 1. Personal Details

|                           |                               |   |
|---------------------------|-------------------------------|---|
| NAME                      | Dr. K M NAGARAJA              |  |
| DEPARTMENT                | Engineering Mathematics       |   |
| DESIGNATION               | Associate Professor           |   |
| PHONE                     | +91 9632671972, +919972012116 |   |
| EMAIL ID                  | kmnagaraja@jssateb.ac.in      |   |
| Date of Joining (JSSATEB) | 03-01-2012                    |   |

### 2. Experience

|                           |                    |               |                    |
|---------------------------|--------------------|---------------|--------------------|
| Total Experience in Years | Teaching: 24 Years | Industry: Nil | Research: 16 Years |
|---------------------------|--------------------|---------------|--------------------|

### 3. Qualifications

| COURSES | SPECIALIZATION | Year of Award | INSTITUTION                                | UNIVERSITY  |
|---------|----------------|---------------|--|---|
| B.Sc.,  | PCM            | 1994          | Government Science college, Bangalore      | Bangalore University, Bangalore Karnataka                 |
| M.Sc.   | Mathematics    | 1997          | Central college, Bangalore                 | Bangalore University, Bangalore Karnataka                 |
| Ph.D.   | Analysis       | 2011          | Acharya Institute of Technology, Bangalore | Visvesvaraya Technological University, Belguam, Karnataka |

### 4. Research & Publications

|   |   |              |
|---|---|--------------|
| Papers Published in Web of Science indexed Journals | International: 16   | National: 0  |
| Papers Published in SCOPUS indexed Journals         | International: 24   | National: 0  |
| Papers Published in other Journals                  | International: 32   | National: 03 |
| Papers Presented in Conferences / Symposium         | International: 08   | National: 06 |
| Books / Book chapters Published                     | Name of the book: Engineering Mathematics-III<br>Publisher: Skyward Publishers<br>Year of Publication: 2017 |              |
|   | Name of the book: Engineering Mathematics-IV<br>Publisher: Skyward Publishers<br>Year of Publication: 2017  |              |

## 5. Research Guidance

|                                    |  |  |
|------------------------------------|--|--|
| PhD Guide? Give field & University | Yes,<br>Analysis, Number theory and Graph theory | University:<br>a. Visvesvaraya Technological University, Belagavi,<br>b. Bharathiar University, Coimbatore |
| PhDs / Projects Guided             | Ph.D. Awarded: 08 (Eight)<br>Guiding: 03 (Three) | Projects at Master's Level: ...<br>Projects at Bachelor's Level:...  |

## 6. Grants

- i. Funds Received (Projects): Nil
- ii. Patents: Nil
- iii. Consultancy: Nil

## 7. Awards Received

|  |   |
|--|---|
| <b>Awards</b><br>"Best Professor in Mathematics" | The 25th Business School Affaire & Dewang Mehta National Education Awards - Regional Round is scheduled on 20 <sup>th</sup> September 2017, Vivanta by Taj, Yeshwantpur, Bangalore. |
|--|---|

## 8. Publications

### i. International Journals

| Sl. No. | Title of the paper   | Name(s) of Author(s)  | Name of the Journal                                | Volume No. Issue No. Year          | WOS / Scopus / Both | Impact Factor | Publisher  |
|---------|--|---|--|------------------------------------|---------------------|---------------|--|
| 1       | Relative Study on Means in Linear Path and Two Positive Arguments in a Curved Path | Sridevi, K, Nagaraja, K M and P. Siva Kota Reddy                      | Italian Journal of Pure and Applied Mathematics    | Vol. 42<br>Issue. 2<br>Year:2021   | WOS                 | 0.46          | Forum Societa Editrice Universitaria Udinese srl |
| 2       | $\alpha$ -Centroidal Means and its Applications to Graph Labeling                  | P. Siva Kota Reddy, K. M. Nagaraja and R. Sampath Kumar               | Palestine Journal of Mathematics                   | Vol. 10<br>Issue. 2<br>Year:2021   | Scopus              | 0.04          | Palestine Polytechnic University                 |
| 3       | A Note on D'Ocagne's Identity on Generalized Fibonacci and Lucas numbers           | Dhanya. P, K. M. Nagaraja and P. Siva Kota Reddy                      | Palestine Journal of Mathematics                   | Vol. 10<br>Issue. 2<br>Year:2021   | Scopus              | 0.04          | Palestine Polytechnic University                 |
| 4       | The Properties of One Parameter Power Exponential Mean and its Invariants          | Venkataramana B S, K M Nagaraja, R Sampath Kumar, Ambika M Hejib,     | Advances and Applications in Mathematical Sciences | Vol. 20<br>Issue.7<br>Year:2021    | WOS                 | -             | Mili Publications                                |
| 5       | Schur Convexity of Complimentary Means with Respect to Centroidal Mean             | R Sampath Kumar, K M Nagaraja, Ambika M Hejib, Venkataramana B S      | Advances and Applications in Mathematical Sciences | Vol. 20<br>Issue.7<br>Year:2021    | WOS                 | -             | Mili Publications                                |
| 6       | Inequalities Among Complimentary Means of Heron Mean and Classical Means           | Ambika M Hejib, K M Nagaraja, R Sampath Kumar, Venkataramana B S      | Advances and Applications in Mathematical Sciences | Vol. 20<br>Issue. 7<br>Year:2021   | WOS                 | -             | Mili Publications                                |
| 7       | The Ky Fan Type Inequalities for Power Exponential Mean and Its Invariant          | Venkataramana B S, K M Nagaraja, R Sampath Kumar, Harisha A           | GIS Science Journal                                | Vol. 8<br>Issue. 1,<br>Year:2021   | Scopus              | 1.89          | Wichmann Verlag                                  |
| 8       | Inequalities For The Arguments Lying On Linear And Curved Path                     | K M Nagaraja, Serkan Araci , V. Lokesh, R. Sampathkumar and T. Vimala | Honam Mathematica IJournal.                        | Vol. 42,<br>Issue. 4,<br>Year:2020 | WOS                 | 1.879         | Honam Mathematical Society                       |
| 9       | Note on Different kinds of Schur convexities of Heinz type mean                    | K Sridevi, K M Nagaraja, P. Siva Kota Reddy                           | Proceedings of the Jangjeon Mathematical Society   | Vol. 23<br>Issue. 04<br>Year:2020  | Scopus              | 0.21          | Jangjeon. Mathematical Society                   |

|    |  |   |   |                                |              |       |   |
|----|--|---|---|--------------------------------|--------------|-------|---|
| 10 | Identities on generalized Fibonacci and Lucas numbers                            | KM Nagaraja, P Dhanya   | Notes on Number Theory and Discrete Mathematics               | Vol. 26 Issue. 03 Year: 2020   | WOS          |       | Bulgarian Academy of Sciences             |
| 11 | Centroidal mean labeling of graphs-II  | Sampathkumar R, K M Nagaraja, Narasimhan G and Ambika M Hajib       | Proceedings of the Jangjeon Mathematical Society              | Vol. 23 Issue. 03 Year: 2020   | Scopus       | 0.21  | Jangjeon. Mathematical Society            |
| 12 | New Family of Heinz Type Means   | R Sampath Kumar, K. M. Nagaraja and G Narasimhan                    | International Journal of Pure and Applied Mathematics         | Vol. 118 Issue. 18 Year: 2018  | Scopus       | 0.17  | Academic Publications Ltd                 |
| 13 | Improvement of Harmonic and Contra Harmonic Mean Inequality Chain                | K M Nagaraja, Murali K, and Lakshmi Janardhana R C                  | International Journal of Pure and Applied Mathematics         | Vol. 114 Issue. 04 Year: 2017  | Scopus       | 0.253 | Academic Publications Ltd                 |
| 14 | Schur-Geometric Convexity of Stolarsky's Extended Mean Values                    | R.C.L. Janardhana, K M Nagaraja, and V. Loksha                      | International Journal of Pure and Applied Mathematics         | Vol. 114 Issue. 01 Year: 2017  | Scopus       | 0.253 | Academic Publications Ltd                 |
| 15 | The Convexities of Invariant Contra Harmonic Mean with Respect to Geometric Mean | R. Sampath Kumar and K. M. Nagaraja                                 | International Journal of Pure and Applied Mathematics         | Vol. 116 Issue. 22 Year: 2017  | Scopus       | 0.253 | Academic Publications Ltd                 |
| 16 | APPLICATION OF DIFFERENT FILTERS FOR NOISE REMOVAL IN DIGITAL IMAGES             | Sampath Kumar R, Satish Kumar .T, K. M. Nagaraja and Geetha G       | Journal of Advanced Research in Dynamical and Control Systems | Vol. 9 Issue. Sp-12 Year: 2017 | Scopus       | 0.22  | Institute of Advanced Scientific Research |
| 17 | Convexity of power type Heron mean with Respect to power Mean                    | K. M. Nagaraja Murali K, and Lakshmi Janardhana R C                 | International Journal of Pure and Applied Mathematics         | Vol.117 Issue. 11 Year: 2017   | Scopus       | 0.253 | Academic Publications Ltd                 |
| 18 | Convexity of Stolarsky's mean with respect to well known Greek means             | Sampath Kumar R K. M. Nagaraja and P. S. K. Reddy                   | International Journal of Pure and Applied Mathematics         | Vol.117 Issue.12 Year: 2017    | Scopus       | 0.253 | Academic Publications Ltd                 |
| 19 | Schur convexities and concavities of Generalized Heron Means                     | Sampath Kumar R K. M. Nagaraja Murali K, and Lakshmi Janardhana R C | International Journal of Pure and Applied Mathematics         | Vol. 117 Issue. 13 Year: 2017  | Scopus       | 0.253 | Academic Publications Ltd                 |
| 20 | Schur Convexity of Stolarsky's Extended Mean Values                              | Murali K, and K. M. Nagaraja  | Journal of Mathematica I Inequalities                         | Vol. 10 Issue. 03 Year: 2016   | WOS & Scopus | 0.63  | Element , R Austrije 11, Zagreb, Croatia  |
| 21 | Corrigendum To New Inequalities On Homogeneous Functions                         | V. Loksha, K. M. Nagaraja and Y. Simsek                             | Journal of the Indonesian Mathematica I Society               | Vol. 21 Issue. 01 Year:2015    | WOS & Scopus | 0.14  | Indonesian Mathematical Soc               |
| 22 | Edge Ck Signed Graphs  | P. S. K. Reddy, K. M. Nagaraja and V.M. Siddalinga swamy            | International Journal of Pure and applied Mathematics         | Vol. 98 Issue. 02 Year: 2015   | Scopus       | 0.253 | Academic Publications Ltd                 |
| 23 | Schur convexity and concavity of Gnan mean                                       | K. Murali K. M. Nagaraja and V. Loksha                              | Proc. Jangjeon Math. Soc                                      | Vol. 17 Issue. 03 Year: 2014   | Scopus       | 0.21  | Jangjeon. Mathematical Society            |
| 24 | Schur convexities of r th oscillatory mean                                       | K. M. Nagaraja and R Sampath kumar                                  | Proc. Jangjeon  | Vol. 17 Issue. 03              | Scopus       | 0.21  | Jangjeon. Mathematical                    |

|    | andits dual  |  | Math. Soc.  | Year: 2014                   |              |       | Society   |
|----|--|--|---|------------------------------|--------------|-------|---|
| 25 | The Line n sigraph of a Symmetric n sigraph-V                            | P. Siva Kota Reddy, K. M. Nagaraja and M C Geetha                        | Kyungpook Mathematica I Journal                             | Vol. 54 Issue. 01 Year: 2014 | Scopus       | 0.27  | Kyungpook National University                       |
| 26 | Different Kinds of Schur Convexities of Power Type Alpha-Centroidal Mean | P. Siva Kota Reddy And K. Sridevi  | Advances and Applications in Mathematical Sciences          | Vol. 13 Issue. 02 Year: 2014 | WOS          | ...   | Mili publications                                   |
| 27 | The Edge Ck Graph of a Graph   | P. Siva Kota Reddy, K. M. Nagaraja and V.M. Siddalinga swamy             | Vladikavkaz Mathematica I Journal                           | Vol. 16 Issue. 04 Year: 2014 | Scopus       | 0.21  | Southern Mathematical Institute of VSC RAS          |
| 28 | Generalization of alpha-Centroidal Mean and its Dual                     | K. M. Nagaraja P. S. K. Reddy and Sudhir kumar sahu                      | Iranian Journal of Mathematical Sciences and Informatics    | Vol. 08 Issue. 02 Year: 2013 | WOS & Scopus | 0.43  | ACECR   |
| 29 | Double inequalities on means via quadrature formula                      | K. M. Nagaraja and P.S.K. Reddy  | Notes on Number Theory and Discrete Mathematics             | Vol. 18 Issue. 01 Year: 2012 | WOS          | ....  | Bulgarian Academy of Sciences                       |
| 30 | alpha-Centroidal mean and its dual                                       | K. M. Nagaraja and P.S.K.Reddy   | Proceedings of the Jangjeon Math. Soc.                      | Vol. 15 Issue. 02 Year: 2012 | Scopus       | 0.21  | Jangjeon. Mathematical Society                      |
| 31 | Solution to an open problem by Rooin                                     | V. Lokesh, Naveen Kumar B, K. M. Nagaraja and sandeep kumar              | Notes on Number Theory and Discrete Mathematics             | Vol. 17 Issue. 04 Year: 2011 | WOS          | ....  | Bulgarian Academy of Sciences                       |
| 32 | Gnan mean and dual for $n$ variables                                     | V. Lokesha, K. M. Nagaraja and sandeep S. Padmanabhan, and Zhi-Hua Zhang | International Journal of Pure and Applied Mathematics       | Vol. 72 Issue. 01 Year: 2011 | Scopus       | 0.253 | Academic Publications Ltd                           |
| 33 | Shur convexity of Gnan mean for positive arguments                       | V. Lokesh, K. M. Nagaraja Naveen Kumar B and Y-.D.Wu                     | Notes on Number Theory and Discrete Mathematics             | Vol. 17 Issue. 04 Year: 2011 | WOS          | ....  | Bulgarian Academy of Sciences                       |
| 34 | New Means and its Properties   | V. Lokesha, Naveen Kumar K. M. Nagaraja B, Abdelmejid Bayad and M. Saraj | Proceedings of the Jangjeon Math. Soc.                      | Vol. 14 Issue. 03 Year: 2010 | Scopus       | 0.21  | Jangjeon. Mathematical Society                      |
| 35 | Extension of Homogeneous Function  | V. Lokesha, Naveen Kumar K. M. Nagaraja and S. Padmanabhan               | Tamsui Oxford Journal of Mathematical Sciences              | Vol. 26 Issue. 04 Year: 2010 | Scopus       | 0.12  | Aletheia University                                 |
| 36 | New Inequalities on the homogeneous functions                            | V. Lokesha, Padmanabhan. K. M. Nagaraja S, and Y. Simsek                 | Journal of the Indonesian Mathematica I Society             | Vol. 15 Issue. 01 Year: 2009 | WOS & Scopus | 0.14  | Indonesian Mathematical Soc                         |
| 37 | A Simple Proof on Strengthening and Extension of Inequalities            | V. Lokesha K. M. Nagaraja and S. Padmanabhan                             | Advanced Studies in Contemporary Mathematics                | Vol. 17 Issue. 01 Year: 2008 | Scopus       | 0.29  | Jangjeon. Mathematical Society                      |
| 38 | A Class of New three parameter generalized weighted means                | K. M. Nagaraja Zhen-gang Xiao, V. Lokesha, and Zhi-Hua Zhang             | International Journal of Applied Mathematics and Statistics | Vol. 11 Issue. 07 Year: 2007 | WOS & Scopus | 0.01  | Centre for Environment Social and Economic Research |

ii. National Journals: Nil

iii. Conferences

| Sl. No. | Title of the paper   | Name(s) of Author(s)                                       | Name of the Journal                                | Volume No. Issue No. Year        | WOS / Scopus | Impact Factor | Publisher      |
|---------|--|--|--|----------------------------------|--------------|---------------|----------------|
| 1       | Establishment of a new inequality using extended Heinz type mean | G Narasimhan, K. M. Nagaraja, R Sampath Kumar and K Murali | IOP Conf. Series: Journal of Physics: Conf. Series | Vol. 1139 Issue.012034 Year:2018 | Scopus       | 0.23          | IOP Publishing |

iv. Workshops /Conferences Attended

| Sl. No. | Name of the workshop / Conference   | Organiser  | Date   |
|---------|---|--|--|
| 1       | 1st International E-Conference on Engineering Science-Technology and Management                 | MAA SHAKUMBARI TRUST, E -310, Sector Beta-I, Greater Noida, India                    | 28 <sup>th</sup> June 2020                         |
| 2       | One day National webinar on "Advances in Graph Theory"  | Govt. college Daman, Dept. of Maths, Administration of DNH & DD.                     | 29 <sup>th</sup> June 2020                         |
| 3       | Laplace transform and its Applications  | Malla Reddy Institute of Technology and science, Secunderabad, India                 | 22 <sup>nd</sup> June 2020                         |
| 4       | National webinar on Differential equations and Applications                                     | Malla Reddy Institute of Technology and science, Secunderabad, India                 | 28 <sup>th</sup> June 2020                         |
| 5       | National level e-quiz on "Abstract algebra"   | Senthikumara Nadar college, Tamilnadu, India   | 20 <sup>th</sup> June 2020                         |
| 6       | One day webinar on " how to create course and course activities in open source online learning" | Hindu college, Guntur, India   | 14 <sup>th</sup> June 2020                         |
| 7       | One day webinar on " Maple software for beginners: A Mathematical tool"                         | Jagadguru Tontadarya College, Gadag, , India   | 5 <sup>th</sup> June 2020                          |
| 8       | One week FDP on " Recent advances in Material science and Mathematical applications"            | Dept. of Basic Sciences, GCE Ramanagara, Karnataka, India                            | 15 <sup>th</sup> to 19 <sup>th</sup> June 2020     |
| 9       | Online-quiz on "Applied Mathematics"  | Dept. of Maths, MSAJCE, Chennai, , India   | 26 <sup>th</sup> June 2020                         |
| 10      | Medha webinar series on " Domination in Graph Theory and Applications"                          | Devaswam Board College, Kerala, India  | 23 <sup>rd</sup> May 2020                          |
| 11      | Faculty Development workshop on " e-learning"   | HR college of commerce & economics in collaboration with EdFly.                      | 20 <sup>th</sup> May 2020                          |
| 12      | One day webinar on "Life and contributions of Maryam Mirzakhani"                                | Dept. of Maths, St. Xavier college foe woman, Aluva.                                 | 12 <sup>th</sup> May 2020                          |
| 13      | Five day FDP on "Applications of Mathematics in Engineering"                                    | KPR Inst. Of Engg. And Tech., Coimbatore, India                                      | 27 <sup>th</sup> to 31 <sup>st</sup> July 2020     |
| 14      | National level online learning cum e-quiz on "Today's tools for tomorrow's teaching"            | Institute of distance education, Uni. of Madras, Chennai, India                      | 30 <sup>th</sup> July 2020                         |
| 15      | Two days national webinar on "Mathematical modelling and applications"                          | RMK college of E & T, Chennai, India   | 27 <sup>th</sup> to 28 <sup>th</sup> July 2020     |
| 16      | Online webinar on "Applications of Probability and Statistics in Speech Recognition"            | AMC college of Engg., Bangalore, Karnataka, India                                    | 11 <sup>th</sup> July 2020,                        |
| 17      | National level workshop on "Pythan for beginners"   | Govt. First Grade college Kolar, Karnataka, India                                    | 27 <sup>th</sup> June 2020                         |
| 18      | International conference on number theory and graph theory                                      | Dept. of studies in Mathematics, University of Mysore, Karnataka, India              | 27 <sup>th</sup> to 29 <sup>th</sup> June 2019     |
| 19      | 2 <sup>nd</sup> International conference on Global advancement of Mathematics-2019              | Acharya institute of graduate studies Bengaluru central university, Karnataka, India | 25 <sup>th</sup> to 26 <sup>th</sup> , June 2019   |
| 20      | Two-Day workshop on- applied Mathematics using MATLAB   | Depts. of Mathematics and ECE, RNSIT, Bengaluru, Karnataka, India.                   | 25 <sup>th</sup> to 26 <sup>th</sup> July 2019     |
| 21      | Accreditation Process for Technical Institutions  | JSSATE, Bengaluru, Karnataka, India.   | 26 <sup>th</sup> -27 <sup>th</sup> August 2016     |
| 22      | 29 <sup>th</sup> International Conference of JANGJEON Mathematical Society                      | Dept. Of Mathematics, Pondicherry University, Puducherry, India                      | 08 <sup>th</sup> to 10 <sup>th</sup> . August 2016 |
| 23      | International Conference on Emerging Trends in Mathematical Sciences,                           | Vijayanagara Sri Krishna Devaraya University, Bellary, Karnataka, India.             | 25 <sup>th</sup> to 26 <sup>th</sup> July 2014.    |
| 24      | 26 <sup>th</sup> International Conference of JANGJEON Mathematical Society                      | Acharya Institutes Campus, Bengaluru, Karnataka, India.                              | 01 to 04, August 2013,                             |

|    |   |   |   |
|----|---|---|---|
| 25 | National Conference for Analysis & applications of Mathematics.   | Reva IT, Bengaluru, Karnataka, India.   | 22 <sup>nd</sup> to 23 <sup>rd</sup> ,<br>Febraury 2013 |
| 26 | Three days FDP on MATLAB tools for Research with hands on experience  | JSS Academy of Technical Education, Bengaluru, Karnataka, India.                          | 4 <sup>th</sup> to 6 <sup>th</sup> February 2013        |
| 27 | 40 <sup>th</sup> Annual Conference of Orissa Mathematical Society and National Conference on Fourier Analysis and Differential Equations” | Sambalpur University, Odisha, India.  | 29 <sup>th</sup> to 30 <sup>th</sup> December,2012      |
| 28 | One day National Seminar on recent trends and challenges in applied mathematics   | RNSIT, Bengaluru, Karnataka, India.   | 22 <sup>nd</sup> December 2012                          |
| 29 | One Day seminar programme on Trend’s and Opportunities in the Engineering sector  | JSS Technical Institution Campus, Mauritius   | 7 <sup>th</sup> May 2012                                |
| 30 | Faculty Development Program on “Recent advances in applied chemistry and nano technology” during  | Department of chemistry, JSS Academy of Technical Education, Bengaluru, Karnataka, India. | 26 <sup>th</sup> to 30 <sup>th</sup> March, 2012        |
| 31 | Volunteering as a judge to the “First Lego League India” Bengaluru Edition  | JSSATE, Bengaluru, Karnataka, India.  | 21 <sup>st</sup> January 2012                           |
| 32 | One Day Workshop on Interdisciplinary Collaborative Research  | SJCE, JSS Technical Institution Campus, Mysore, Karnataka, India.                         | 14 <sup>th</sup> January 2012                           |
| 33 | Mission10X conclave 2011  | Dayananda sagar college of Engg Bengaluru, Karnataka, India.                              | 19 <sup>th</sup> August 2011                            |
| 34 | National Conference on Applied and Engineering Mathematics  | RNSIT, Bengaluru, Karnataka, India.   | 28 <sup>th</sup> to 30 <sup>th</sup> July 2011.         |
| 35 | Faculty Development Program on “Advances in Numerical and Statistical Techniques for Engineers (ANSTE)”                                   | Department of Mathematics, NIT Calicut, Kerala, India.                                    | 30 <sup>th</sup> May to 3 <sup>rd</sup> June 2011       |
| 36 | Faculty Empowerment Program conducted by Wipro  | Krishna Institute of Technology, Bengaluru, Karnataka, India.                             | 25 <sup>th</sup> to 29 <sup>th</sup> July 2011          |
| 37 | One day international workshop on Engg mathematics and its applications   | SJCIT, Chick Ballapur, Karnataka, India.  | 17 <sup>th</sup> August 2009.                           |
| 38 | Two-Day workshop on Research methodology  | MSRIT, Bengaluru, Karnataka, India.   | 28 <sup>th</sup> to 29 <sup>th</sup> , May 2009         |
| 39 | 52 <sup>nd</sup> International conference of ISTAM-kharagpur  | BNMIT, Bengaluru, Karnataka, India.   | 14 <sup>th</sup> to 17 <sup>th</sup> December 2007      |
| 40 | 10 <sup>th</sup> ISTE state level annual convention and 2-Day national seminar  | AcIT, Bengaluru, Karnataka, India.  | 23 <sup>rd</sup> to 24 <sup>th</sup> November 2007      |
| 41 | 19 <sup>th</sup> International conference of Jangjeon Mathematical society,   | Central college, Bengaluru university, Bengaluru, Karnataka, India.                       | 22 <sup>nd</sup> to 24 <sup>th</sup> February 2007      |
| 42 | One Day Symposium on “Applied Mathematics in Engineering Technologies   | BNMIT, Bengaluru, Karnataka, India.   | 16 <sup>th</sup> , December 2006                        |
| 43 | One Day Workshop on “Scheme of Teaching of Discrete Mathematical Structures   | AMC College of Engg. Bengaluru, Karnataka, India.   | 12 <sup>th</sup> September 2004                         |
| 44 | One Day Workshop on “Scheme of Teaching and Finalization of Syllabus in Engg. Mathematics–IV”   | SJCE, JSS Technical Institution Campus, Mysore, Karnataka, India.                         | 12 <sup>th</sup> January 2003                           |

#### v. Workshops / Conference (Orgained)

| Sl. No. | Name of the workshop / Conference                  | Organised by  | Date                       | Role         |
|---------|--|---|----------------------------|--------------|
| 1       | Numerical methods and its applications in research | Centre for inter-disciplinary research with dept. of mathematics JSSATEB. | 04 <sup>th</sup> July 2018 | Co-ordinator |

#### vi. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)

| Sl. No. | Name of the workshop / Conference  | Organiser  | Date  |
|---------|--|--|---|
| 1       | New Model Curriculum for first year BE-CBCS detailed syllabus, 2018-19, National workshop, MHRD Government of India  | BIT, Bengaluru, Karnataka, India.  | 07 <sup>th</sup> May 2018                           |
| 2       | KSTA National conference on “Impact of Science and Technology on Society and Economy”                                | Vijayanagara Sri Krishna Devaraya University, Bellary, Karnataka, India.     | 8 <sup>th</sup> to 10 <sup>th</sup> , March 2017    |
| 3       | UGC sponsored National Conference on APPLIED MATHEMATICS: Numerical analysis, Algebra and Computational Mathematics” | KLE Society’s Gudleppa Hallikeri College Haveri – 581 110, Karnataka, India. | 30 <sup>th</sup> to 31 <sup>st</sup> , January 2015 |
| 4       | DST sponsored Inter National conference on “Analysis and Applications  | Berhampur University, Berhampur, Odisha, India.                              | 20 <sup>th</sup> to 21 <sup>st</sup> July 2012      |

|   |                                   |   |  |
|---|-----------------------------------|---|--|
| 5 | DST sponsored National conference | Berhampur University, Berhampur, Odisha, India. | 22 <sup>nd</sup> to 23 <sup>rd</sup> December 2010 |
|---|-----------------------------------|---|--|

### 9. Details of NPTEL / COURSERA courses completed

| Sl. No. | Name of the subject                    | Organised by                                       | Date of completion / Award   | Grade / Marks      |
|---------|--|--|------------------------------|--------------------|
| 1       | Matrix Analysis with Applications      | MHRD SWAYAM, IIT ROORKEE                           | (Aug-Nov 2019)<br>17-11-2019 | Elite + silver 76% |
| 2       | Matrix Algebra for Engineers           | The Hong Kong University of Science and Technology | 07-10-2020                   | 100%               |
| 3       | Matrix Methods                         | University of Minnesota                            | 30-09-2020                   | 93.5%              |
| 4       | Fibonacci Numbers and the Golden Ratio | The Hong Kong University of Science and Technology | 31-08-2020                   | 80%                |

### 10. Membership of Professional Bodies:

|    |  |
|----|--|
| 1. | Life Membership in Indian Society for Technical Education ( MISTE) |
| 2. | Life Member RGMIA, Victoria University, AUSTRALIA                  |
| 3. | International Association of Engineers IAENG (No: 116406)          |
| 4. | Member of universal set of Mathematics                             |

### 11. Any other information you will like to share about your professional experience

- Delivered a Guest Lecture on “**Latex software and its usage**” at Govt first grade college, Karror on 18-09-2014.
- Delivered special lecture entitled “**Mathematical Means**” at DVS college of Arts and Science, Shimoga, India, on 29<sup>th</sup> March-2014.

| Guided |                      |  |                         |                       |      |
|--------|----------------------|--|-------------------------|-----------------------|------|
| 1      | Murali K             | Contributions to the Theory and Development of Mathematical means and Inequalities | Ph.D.-CB-DEC2012-0353   | Bharathiar University | 2017 |
| 2      | K Sridevi            | An Elucidative Analysis On Mathematical Means And Inequalities                     | 1AY12PGN01              | VTU                   | 2017 |
| 3      | Siddalingaswamy V M  | Contributions to the Theory of Signed Graphs                                       | 1AY12PGN06              | VTU                   | 2017 |
| 4      | Sampath Kumar R      | Mathematical means and their convexities   | Ph.D.-CB-DEC2014 - 0101 | Bharathiar University | 2019 |
| 5      | Lakshmi Janardan R C | A Study on convexities of Mathematical means                                       | Ph.D.-CB-DEC2013 - 0339 | Bharathiar University | 2019 |
| 6      | Narasimhan G         | An elucidative Investigation on Frontier of Mathematical means                     | IJS15PGJ01              | VTU                   | 2019 |
| 7      | Manjunatha H         | A study on Fourier transform of continuous functions                               | IJS15PGJ02              | VTU                   | 2019 |
| 8      | VimalaT              | Contribution to the theory of mathematical means and its inequalities              | 1JS13PGJ01              | VTU                   | 2020 |
| 9      | Venkataramana. B S   | Studies on power exponential mean in several variables and its applications        | IJS15PGJ05              | VTU                   | 2021 |
| 10     | Ambika M Hejib       | Theoretical studies and development of convexities and Mathematical means          | 1JS17PGA01              | VTU                   | 2022 |

| Guiding |                  |  |               |            |                                |
|---------|------------------|--|---------------|------------|--------------------------------|
| 1       | Chethankumar G D | Studies on two parameter mathematical means                              | February 2018 | 1JS18PMA01 | Appeared for course work exam. |
| 2       | Dhanya P         | Studies on Generalised Fibonacci and Lucas Number and Their Applications | December 2021 | 1JS20PMA01 | Registered                     |
| 3       | Harish A         | Studies on Complementary and Invariant Centroidal Mean and Applications  | December 2021 | 1JS20PMA02 | Registered                     |

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