

FACULTY PROFILE



About Me:

I Dr. P.V.H.S SAI KUMAR working as an ASSOCIATE PROFESSOR in the Department of Humanities and Basic Science , GRIET, Hyderabad .I have completed my Ph.D from KAKATIYA UNIVERSITY Warangal. As of now I am having 18 yrs of teaching experience in various Engineering Colleges.

Contact:

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CURRICULUM VITAE

Education Details: (Please provide Specialization, University, Month& Year of passing)

- ◆ PhD : Delay Differential Equations, Kakatiya University, Nov 6 th ,2014.
- ◆ M.Sc : Applied Mathematics, Dr. B.R Ambedkar open University, August 2004
- ◆ B.Sc ; (M.P.C) , Kakatiya University, July 1993

Experience &Other Academic Contributions:

- ◆ Teaching Experience – yrs 18 yrs
- ◆ Research Experience- yrs 10 yrs
- ◆ Industry Experience- yrs NIL

Major career interests:

To be involved extensively in Teaching, and Research activities..

Association with Professional Bodies

1. Life Member in Indian Society of Mathematics & Mathematical Sciences (ISMAMS)
2. Life Member in Andhra Pradesh Society for Mathematical Sciences (APSMS)

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Research Interests: Delay Differential Equations, Delay Difference Equations

Subjects Taught:

1. Mathematics – I (Differential Equations)
2. Mathematics – II
3. Mathematics – III (Complex Analysis)
4. Mathematical Methods / Numerical Methods
5. Probability & Statistics

Journal Publications/Conference Proceedings: (Please provide the counts)

| | | |
|---------------------------|-----------|--|
| International Journals | 13 | |
| National Journals | 5 | |
| International Conferences | NIL | |
| National Conferences | 5 | |
| Total = | 18 | |

Achievements and Awards: NIL

Invited Lectures: NIL

Publications: (Please provide the Name of the authors, Title, Journal name, Volume, Pg No, and Year)

Journals:

International:

1. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, Oscillations of Third Order Neutral Delay Differential Equations, IOSR Journal of Engineering (IOSRJEN), Vol. 10, Issue 1, January (2020) , ||Series -VI|| PP 46-52
2. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, Oscillations of Fourth Order Linear Neutral Delay Differential Equations, International Journal of Mathematics Trends and Technology (IJMTT), Volume 65(7), (2019), pp 296-305.
3. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, Oscillations of Third order linear neutral delay differential equations, International Journal of Mathematical Archive Volume 9(9), (2018), pp. 1-6.
4. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, Oscillations of second order nonlinear neutral delay differential equations, International Journal of Mathematical Archive Volume 9(7), (2018), pp. 1-5
5. Seshagiri Rao K.V.V, Sai Kumar P.V.H.S Oscillation of Second Order Nonlinear Neutral Delay Differential Equations IJIRSET 5(10) 2016, 18547 -18559
6. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, Oscillatory Behaviour of Third Order Nonlinear Neutral Delay Differential Equations, Advances in Theoretical and Applied Mathematics, Volume 10(1), (2015), pp. 27-34.
7. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, *Oscillatory behavior of solutions of third order nonlinear neutral delay differential equations*, International Journal of Mathematical Archive, 6(1) (2015), 106-111.
8. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, *Existence of nonoscillatory solutions of a class of nonlinear neutral delay differential equations of third order*, International Journal of Mathematical Archive, 5(6) (2014), 109-118.
9. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, *A Note on oscillation theorem for second order nonlinear neutral delay differential equations*, International Journal of Mathematical Archive, 5(8) (2014), 1-7.
10. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, Positive solutions of a class of neutral delay differential equations of second order, International Journal of Mathematical Sciences, 13 (2014), 95-104.

- 11 Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, On the oscillation of third order linear neutral delay differential equations, *International Journal of Mathematics Trends and Technology*, 4 (2013), 357-368.
12. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, Existence of positive solutions of a class of neutral delay differential equations of second order, *Advances in Theoretical and Applied Mathematics*,, 3 (2009) 1399-1404.
13. Seshagiri Rao K.V.V, Tripathi A.K and Sai Kumar P.V.H.S, Nonoscillation of a class of neutral delay differential equations of first order, *Advances in Theoretical and Applied Mathematics*, 4 (2009), 47-56.

National:

1. Seshagiri Rao K.V.V, Sai Kumar P.V.H.S Oscillatory behaviour of third order nonlinear neutral delay differential equations, **BOMSR** 4(1) 2016 (Jan-March) ,15-20
- 2 Seshagiri Rao K.V.V, Sai Kumar P.V.H.S Oscillation of second order nonlinear neutral delay differential equations, **BOMSR** 4(1) 2016, 167-173
3. Seshagiri Rao K.V.V, Tripathi A.K, Gopal Rao T, Venumadav K and Sai Kumar P.V.H.S, *Asymptotic integration of a class of nonlinear neutral dynamic equations*, *Journal of the Calcutta Mathematical Society*, 11 (2015), 51-66.
4. Seshagiri Rao K.V.V and Sai Kumar P.V.H.S, A note on the oscillatory behaviour for a class of second order nonlinear neutral delay differential equations, *Journal of the Calcutta Mathematical Society*, 9 (2013), 1-8.
5. Sai Kumar P.V.H.S and Seshagiri Rao K.V.V, On the solutions of a class of neutral delay differential equations of second order, *Journal of the Calcutta Mathematical Society*, 7 (2011), 79-86.

❖ **Conference Proceedings:**

International NIL

❖ **National NIL**

Books /Chapters: NIL

Professional Programs attended (FDP/Workshop/Short term):

1. APSMS XVI Congress Organised by National Geophysical Research Institute, Hyderabad supported by Ministry of Earth Sciences Govt. of INDIA, NEW DELHI. December 8 th to 10 , 2007.
2. Seventh National Conference Organised by , Indian Society of Mathematics and Mathematical Sciences (ISMAMS) on Recent Advances in Mathematical Sciences and Its Applications Sponsored by DST, CSIR , February 20-21,2010.
3. WMVC”10 5th National Conference on Applicable Mathematics in Wave Mechanics and Vibrations ,March 13-15, 2010 ,Organised by Department of Mathematics, Kakatiya University, Warangal
4. Indian Society of Mathematics and Mathematical Sciences (ISMAMS) ,On the Topic Interdisciplinary Applications of Mathematical and Statistical Techniques Sponsored by DST, February 25-26, 2012, GORAKHPUR.
5. Indian Society of Mathematics and Mathematical Sciences (ISMAMS) , On the Topic Mathematical Sciences for the Advancement of Science and Technology sponsored by DST, CSIR February 23-24, 2013, GORAKHPUR.
7. Training programme on LATEX & Simulations organized by Department of Mathematics, Kakatiya University, Warangal during March 26-27, 2013.
8. Two days’ WORKSHOP on Real Analysis & Algebra, jointly organized by the Department of Mathematics , University college of Sciences , Satavahana University & APCOST, Hyderabad from March 7 th March to 8 th March 2014 at Satavahana University, Karimnagar.
9. National Conference on Applications of Mathematics in Engineering and Industry [NCAMEI - 2013] , Organised by Department of Mathematics , Kakatiya University , Warangal, during March 26-28,2013.
10. Two day U.G.C National Seminar on Mathematics and Statistical Techniques , on 26 th & 27 th August, 2014 , by Singareni Collieries Womens Degree & PG college.
11. Two Day Workshop on Research Methodology in Mathematics & Recent Trends , held on 6 th -7 th , Feb 2015, Organised by Department of Mathematics University College of Sciences Satavahana University, Karimnagar & Andhra Pradesh State Council of Higher Education (APSCHE).
12. XV Congress, (APSMS) Organised by Department of Mathematics, Kakatiya University from 11-13 August 2006.

Professional Programs (FDP/Workshop/Short term):

(Online Participation)

1. One week International Online faculty development programme on Applications of Mathematics in Sciences and engineering from 7 th to 11 th July 2020 organized by Department of Basic Sciences (Mathematics) Vishnu Institute of Technology , Bhimavaram.
2. Five day faculty development programme on Applications of Mathematics in Engineering conducted by Department of Mathematics KPR Institute of Engineering and Technology held from 27-07 2020 to 31-07-2020. (Online Webinar).
3. One day National Webinar on Differential equations and its Applications Organised by Department of Sciences and Humanities Saradha Gangadharan college , Puducherry dated 24 July 2020.
4. One day National Webinar “A popular talk on Mathematics ‘ conducted by department of Mathematics , Chaitanya Bharathi Institute of Technology on 20 th July 2020.
5. Six day Faculty Development Programme on Applications of Mathematics in Engineering conducted by Department of Mathematics KPR Institute of Engineering and technology held from 20-07-2020 to 25-07-2020 .(Online Webinar).
6. One day National Webinar on Mathematical and Statistical modeling of infectious diseases Relevant to COVID-19 Organised by Department of Mathematics, Assam University, Silchar on July 8, 2020.
7. Two day National Level Virtual Workshop on “The role of Chemistry Modern Healthcare” Organized by Department of Physics and Chemistry, MAHATMA Gandhi Institute of Technology, Hyderabad on 3rd and 4 th July 2020.
8. One week online National level Faculty Development programme on Role of Mathematics in Latest Engineering Trends Organized by the Department of Mathematics , under Department of science and Humanities Lords institute of engineering and technology from 4 th June 2021 to 10 June 2021.
9. Webinar on Magnetic Levitation and high speed trains held on 01-07-2020 Organised by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology, Hyderabad
10. TECH WEBINAR SERIES XI organized by Department of CIVIL ENGINEERING on Application for Civil Engineers in AR & VR by KPR Institute of Engineering and Technology on 24-07-2020.
11. National Webinar on Differential Equations and Applications on 28-06-2020 , Organised by Department of H&S , Malla Reddy Institute of Technology and Science.
12. One Week Online FDP on Mathematical Modeling & Numerical Techniques 2020 held from 27-07-2020 to 31-07-2020 by Faculty of Mathematics, Department of Mathematics and Humanities, Kakatiya Institute of Technology and Sciences, Warangal.