



# DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved By AICTE, Affiliated to JNTU, Kakinada)

Ganguru, Vijayawada – 521 139. Phone: 0866-2583842/43.

Email: dietoffice2009@rediffmail.com; URL: www.diet.ac.in

## Faculty Profile

Name of the Faculty : Dr. B.V.S.N. Hari Prasad

Designation : Professor of Mathematics & HOD, BS&H

Date of Joining : 11/09/2012

Nature of Association : Regular

Email & Phone No. : bvsnhariprasad@gmail.com & 9059275359

Department : Basic Sciences & Humanities

Educational Background : 1. Ph.D. from Acharya Nagarjuna University  
2. M.Phil. from Acharya Nagarjuna University  
3. M.Sc.(Applied Mathematics) from Andhra University

Research Areas : Fixed point theory, Queueing theory

Experience : 27 Years



Sl. No	Institute	Designation	Period
6	DhaneKula Institute of Engineering & Technology, Ganguru, Vijayawada	Professor & HOD, BS&H	2015 (Oct.) - till date
5	DhaneKula Institute of Engineering & Technology, Ganguru, Vijayawada	Professor	2012 - 2015
4	S.R.K. Institute of Technology, Vijayawada	Associate Professor	2007 - 2012
3	KLCE (Koneru Lakshmaiah College of Engineering), Vaddeswaram	Lecturer	2006 - 2007
2	P.B. Siddhartha Degree College, Vijayawada	Lecturer	1995 - 2006
1	Sri Krishnaveni Degree College, Vijayawada	Lecturer	1992 - 1995

### List of Publications (National and International Journals):

1. “Molecular Spectra of Magnesium Octaethylporphyrin: An Algebraic Approach” has been published in “Journal of Chemistry and Chemical Sciences”, Vol.8(2), 275-277, February 2018.
2. “Vibrational Frequencies of PH<sub>3</sub> and NF<sub>3</sub>: Lie Algebraic Method” has been published in “Oriental journal of chemistry”, Vol. 32, No. (3) (2016), 1717-1719.
3. “Lie Algebraic Approach to the Vibrational Spectra of Hydrogen Sulphide (H<sub>2</sub>S)” has been published in the “Advances in Theoretical and Applied Mathematics”, Vol. 11, No. 2 (2016), pp. 131-136.
4. “Optimal Control of an N-Policy Two-Phase M<sup>X</sup>/E<sub>k</sub>/1 Queuing System with Server Startup Subject to the Server Breakdowns and Delayed Repair”, *Indian Journal of Science and Technology*, Vol 8(13) (2015), 1-9.
5. “Optimal Strategy Analysis of an N-policy Two-phase M<sup>X</sup>/E<sub>k</sub>/1 Gated Queueing System with Server Startup and Breakdowns”, *International Journal of Mathematical Archive*, 3(8) (2012), 3016-3027.



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6. “Optimal Strategy Analysis of an N-policy Two-phase  $M/E_k/1$  Queueing System with Server Startup and Breakdowns”, *International Journal of Mathematical Archive*, 3(3) (2012), 889-898.
7. “Optimal Strategy Analysis of an N-Policy Two-Phase  $M^X/E_k/1$  Queueing System with Server Startup and Break downs”, *An International Journal of Quality Technology and Quantitative Management*, 8(3) (2011), 285-301.
8. “Optimal Strategy Analysis of an N-policy Two-phase  $M^X/M/1$  Queueing System with Server Startup and Breakdowns”, *OPSEARCH*, 48(2) (2011), 109-122.
9. “Optimal Strategy Analysis of an N-policy Two-phase  $M^X/M/1$  Gated Queueing System with Server Startup and Breakdowns”, *International Journal of Open Problems in Computer Science and Mathematics*, 3(4) (2010), 563-584.
10. "Optimal Strategy Analysis of an N-Policy Two-Phase  $M/E_k/1$  Queueing System with Server Break downs and Gating", *Applied Mathematical Sciences*, 4(66) (2010), 3261-3272.
11. “Three fixed point results for three maps”, *Journal of Natural and Physical Sciences*, 18(1) (2004), 41-48.
12. “Generalizations of some fixed point theorems in complete metric spaces”, *Acta Ciencia Indica*, Vol. XXIX, M. 1 (2003), 31-34.

### Book Chapter Publications:

1. Chapter – 11, “An Algebraic Approach for Computing Vibrational Spectra of Triatomic Molecule” has been published in the book titled “Advanced Mathematics: Theory and Applications”, Volume – II (2018), by Research India Publications, ISBN: 978-93-87374-33-1, 207-214.

### National/International Conferences/Workshops:

1. Participated in the Two-day National Workshop on “RESEARCH INITIATIVES AND PROPOSAL DRAFTING IN MATHEMATICAL SCIENCES “, Sponsored by DST-SERB, Govt. of India, organized by Department of Mathematics, on 24<sup>th</sup> and 25<sup>th</sup> May, 2019 at Koneru Lakshmaiah Educational Foundation.
2. Participated in the Workshop on Physics of Fluids, Methods, and Applications during 1-2 March 2019, held at School of Technology, GITAM (Deemed to be University), Hyderabad.
3. Participated as a ‘prichchaka’ in “GANITHA ASHTAVADHANAM” conducted on 18<sup>th</sup> January, 2019 by the Department of Mathematics, P.B.Siddhartha College of Arts & Science, Vijayawada.
4. Participated in the National Conference on “ESSENCE OF MATHEMATICS AND ENGINEERING APPLICATIONS” ON 17<sup>th</sup> & 18<sup>th</sup> November, 2017, Organized by Department of Mathematics, K L University, Vaddeswaram, Guntur District, Andhra Pradesh.
5. Presented a poster on “An Algebraic Method: Vibrational spectroscopy of distorted structure molecules” in the 2<sup>nd</sup> Andhra Pradesh Science Congress [APSC-2016] held at P.B. Siddhartha College of Arts & Science, Vijayawada during 7-9 November 2016.
6. Presented a paper titled ‘Vibrational spectrum of Nitrogen trifluoride ( $NF_3$ ) using Lie algebraic method’ in the TEQIP Sponsored two day National Conference on “MATERIALS FOR SPECIFIC APPLICATIONS” held at Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, during 29<sup>th</sup>-30<sup>th</sup> March 2016.



## **DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY**

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7. Attended an International conference on “OPERATIONS RESEARCH FOR A GROWING NATION”, held by Operational Research Society of India in SV University, Tirupati, 15-17<sup>th</sup> December, 2008.
8. Attended “One day national workshop on ADVANCED MATHEMATICAL APPLICATIONS TO THE EMERGING TECHNOCRACY AND SIX SIGMA”, held at V.R. Siddhartha Engineering College, Vijayawada, on 24<sup>th</sup> November, 2007.
9. Attended “Two-Day Mega Workshop on REAL ANALYSIS”, held at Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada, 27-28 November, 2004.

### **Faculty Development Programs (FDPs):**

1. Completed an AICTE approved two-week equivalent Faculty Development Programme (FDP101x) on “**Foundation Program in ICT for Education**” conducted by IIT Bombay from September 13, 2018 to October 18, 2018 with online activity and Physical participation at Remote Center.
2. Completed an AICTE approved two-week equivalent Faculty Development Programme (FDP201x) on “**Pedagogy or Online and Blended Teaching-Learning Process**” conducted by IIT Bombay from October 30, 2018 to December 13, 2018 with online activity and Physical participation at Remote Center.
3. Participated in FDP on “**Python & R Programming**” organized by the E & ICT Academy, National Institute of Technology, Warangal at the Dept. of CSE, DhaneKula Institute of Engineering & Technology, Vijayawada, from 26-12-2016 to 31-12-2016.
4. Participated in FDP on “**Outcome Based Education**” jointly organized by the E&ICT Academy, NIT, Warangal and DhaneKula Institute of Engineering & Technology, Vijayawada, during 06-06-2016 to 11-06-2016.

### **Achievements / Awards:**

1. Member, Board of Studies, P.B. Siddhartha College of Arts & Science (Autonomous) for TWO years from 16-02-2015 to 15-02-2017.
2. Member, Board of Studies, Sri Durga Malleswara Siddhartha Mahila Kalasala (Autonomous) for TWO years from 23-03-2015 to 22-03-2017.

### **Associations / Memberships:**

1. Life Member, Indian Society of Systems for Science & Engineering (ISSE), Member Number: LM03579.
2. Life Member, International Association of Engineers (IAENG), Member Number: 192323.

**Dr. B.V.S.N. Hari Prasad**