

### ***Personal Information:***

Name	Dr M Anita
Years of Experience	Teaching: 23 years Research: 10 years
Email Id	anita.m@bvrithyderabad.edu.in
Areas of Specialization	Algebraic number theory, linear algebra, differential equations.



### ***Educational Qualifications:***

Doctoral Degree	Ph.D (Mathematics)	Jawaharlal Nehru Technological University, Hyderabad.
PG Degree	M Sc ; M Phil (Mathematics)	Osmania University, Hyderabad. Alagappa University, karaikudi, Tamilnadu.
UG Degree	B Sc(M.P.Cs)	Osmania University, Hyderabad.

### ***Books Published:***

1. “Engineering Mathematics-I “Textbook-Everest Publishers, Pune; R-13 Syllabus, JNTUH September, 2015.
2. “Linear Algebra and Calculus” Textbook-Spectrum university press, Hyderabad; R-18 Syllabus, IARE-Autonomous, Syllabus, 2018.
3. “Mathematical Transform Techniques” Textbook-Spectrum university press, Hyderabad; R-18 Syllabus, IARE-Autonomous, Syllabus, 2018.

### ***Book Chapters:***

1. An IOT-Based smart pet food dispenser”- Intelligent Manufacturing and Energy Sustainability systems 1st edition 2021-**Springer SIST Series** ISSN: 2190-3018; 21 August 2020.

### ***Papers Published:***

#### ***International Journal Publications:***

1. On Explorations of the Spectra of Pisot Numbers”, Indian journal of mathematics and mathematical Sciences, Volume – II, Number I: 81-91 June 2006.
2. “Some Properties of Pisot Numbers”, International Journal of Applied Mathematical Analysis and Applications, Volume -I, Number II, PP. 225-237, December, 2006.

3. "Pisot Numbers property by Fibonacci Sequence" International journal of Engineering Technology Science and Research ISSN 2394 – 3386, Volume 4, Issue 11, November, 2017.
4. "Numerical estimation of non-relativistic vlasov N-body model using semi lagrangian schemes" Journal of mechanics of continua and mathematical sciences ISSN (online):2454-7190 vol-14.No-6. November – December (2019) 347-353 ISSN (print) 0973-8975. {**WEB OF SCIENCE**}  
<https://doi.org/10.26782/jmcms.2019.12.00024>
5. "An IOT-Based smart pet food dispenser" published as book chapter - Intelligent Manufacturing and Energy Sustainability: proceedings of ICIMES 2020 {smart innovation, systems and technologies, 213}1st edition.2021-**Springer SIST Series** ISSN: 2190-3018; 21 August 2020.
6. "Period doubling bifurcation analysis of a simple nonlinear differential equation using numerical scheme". – Paper published in a September 2020 special issue in Advances in Mathematics: Scientific Journal. (**Scopus**)

#### ***Coursera:***

1. Completed a course "Differential Equations for Engineers" from The Hong Kong University of Science and Technology.
2. Completed a course "Vector calculus for Engineers" from The Hong Kong University of Science and Technology.
3. Completed a course "Matrix Algebra for Engineers" from The Hong Kong University of Science and Technology.

#### ***International conferences attended:***

1. International Conference on "Number Theory" SASTRA, Kumbakonam, Tamilnadu, in 2004.
2. National Conference on "New Trends in Number Theory", Osmania University, Hyderabad, 2006, Osmania University. .
3. International conference emanate& innovative trends in engineering, management and sciences" ICEITEMS-2019, Malla Reddy Institute of Technology, 8 & 9 November 2019.
4. "Seventh International conference on Transformations in Engineering Education", Anurag Group of Institutions, Hyderabad, 5 to 8 January 2020

### ***FDPs/Workshops Attended /Conducted:***

1. Advance Operation Management techniques, Refresher Course, JNTUH, and March, 2004.
2. APSMS, Kakatiya University, Warangal, December 2006, University.
3. “Advanced Engineering Materials and Applications”, VNR, VJIET Hyderabad, 31 January, 2017.
4. “Advanced Numerical Modeling Techniques for Engineering”, VNR, VJIET, Hyderabad, 27 to 31 March, 2017.
5. “Engineering Mathematics”, Refresher Course, CMR Engineering College, 12 to 17, June 2017.
6. Research among youth -2020, FDP-Vardhaman College of engineering, Hyderabad, 28 May to 3 June.
7. SCi lab- FDP- St.Peters Engineering College, Hyderabad, 15 to 19 June 2020.
8. Optimization Techniques for mechanical Engineering- FDP- Sreenidhi Institute of Science and technology. Hyderabad, 22 to 27 June 2020.
9. Application of mathematics- Online FDP-Karunya Institute of Technology and Sciences, Coimbatore, TN, 20 to 24 July 2020.
10. Orienting Applications & Conceptualized Aspects of Sciences & Humanities-Balaji Institute of Technology & Science, Narasampet, Warangal, Telangana, 21 to 25 July 2020.

### ***Short term training program (STTP):***

1. Mat lab and mathematic for scientific research conducted by Arul Anandar college, Madurai, TN.

### ***Webinars: Resource person***

1. A One Day National Webinar on “Mental Health & Quality of Life of Married Working Women in India.” Organized by Institute of Aeronautical Engineering, Dindigal, and Hyderabad and sponsored by National Commission For Women on 21 December, 2020 (Monday) 10.00 Am – 1.30 pm.