

CURRICULUM VITAE

Dr. Chaya Kumari Divakarla

M.sc, M.Phil, Ph.D – Maths

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CARRER OBJECTIVE:

Dynamic Mathematics professional passionate making the world of Mathematics accessible and relevant to all students .Long track record of fostering student learning. Creates a comfortable learning environment for all types of learners.

EDUCATIONAL QUALIFICATIONS:

- **2009– 2012**
PhD Mathematics, Andhra University, India
Doctoral thesis in Number theory and Cryptography, titled “**Cryptosystems with Redei rational functions via Pell conics**”
- Qualified APSET in the year 2012 conducted by Osmania University.
- **2003 - 2005**
Bachelor of Science in Teaching Technology, Sikkim Manipal University, India
- **2000 - 2002**
Master of Philosophy, Karnatak University, Dharwad,India
- **1996 – 1999**
Master of Sciences ,Andhra University, India
- **1993-1996**
Bachelor of Sciences, Andhra University,India

EXPERIENCE :

- **June 2017 – April 2022**
AMC Engineering College, Bengaluru, India
(Associate Professor, Department of Mathematics, S&H)
- **3rd June 2013 -19th April 2017**
BVRIT College of College of Engineering for Women, India
(Assistant Professor, Department of Mathematics)

- **7th July 2009 - 4th April 2012**
Chaitanya Degree and PG college for women Visakhapatnam, India
(Senior Lecturer,HOD Department of Mathematics)
- **December 2006 -March 2009**
Pratyusha Institute of Technology and Management, Chennai,India
(Lecturer,Department of Mathematics)
- **August 2002- November 2005**
Pratyusha Institute of Technology and Management, Chennai,India
(Lecturer,Department of Mathematics)

PUBLICATIONS LIST:

- Cryptosystem with Rédei Rational Functions via Pellconics – International Journal of computer applications.
- Scheme of Encryption for Block ciphers and multi code encryption
- Multiple encryptions of Fibonacci-Lucas transformation, IOSR volume 12, Issue2
- Multiple encryptions of independent ciphers-International journal of Mathematical Archive-7(2), 2016 ISSN 2229-5046
- Symmetric key cryptosystem for multiple encryptions, International journal of mathematical trends and technology – Vol 29 No.2, January 2016
- Redei rational functions as permutation functions and an algorithm to compute Redei rational functions IJNSA Vol -8, Issue Feb2016
- Application of lightweight cryptographic algorithms for Iot based environments journal of Huazhong university of science and technology vol 50, issue 4
- Super encryption method of laplace transforms using fibonacci numbers- journal of Huazhong university of science and technology vol 50, issue
- Exchange of message using Fourier Transforms Via Affine Transformations IJMTT, ISSN No 2231-5373, vol 68 Issue 3 March 2022

FACULTY DEVELOPMENT PROGRAMMES:

- A six day FDP on Computational Science and Engineering during July 15th - July 20th 2019 at RV College of Engineering , Bengaluru , India.
- One week FDP on Open Source software through Spoken Tutorials, at IIT Bombay , India (4th November -10th November 2016)
- One week FDP on Numerical Methods and Optimization Techniques in Engineering Research at CMRIT, Bengaluru , India (14th December -20th December 2016)
- Two day FDP on Latex form 2nd August - 3th August 2017 conducted by Department of Electronics and Communication Engineering, AMC Engineering College , Bengaluru, India.
- Online one week SWAYAM FDP on Graph Theory.
- Fascinating world of Mathematics and its applications to real life problems-Vignan university on 25th June 2021.
- One week National level online FDP on Number theory and its Applications 14th June to 19th June 2021.
- FDP on Maths on Various Platforms Bharat Institute of Technology 17th June to 22nd June 2021.
- FDP on Maths and Statistics KPR Institute of Technology

WORKSHOPS, CONFERENCES AND SYMPOSIUMS:

- Attended workshop on Mathematics in Industry Applications organised by Department of S&H,PES University ,Bengaluru, India on 22nd June 2019.
- Attended a Workshop on “New Model Curriculum for 1 st year BE/B.Tech - CBCS” detailed syllabus(2018-19) as per OBE format including CO’S and Bloom’s Taxonomy under TEQIP-13 for Mathematics held on 2nd June 2018 at BIT,Bengaluru,India.
- Attended International conference on Algebra and Applications ICAA 2014 between 29th April-1st May 2014 at Department of Mathematics,AndhraUniversity,India.
- Participated at the Symposium of Indian Women and Mathematics during 8th Jan-10th Jan 2012 conducted by Indian Institute of Mathematical Sciences,Chennai,India.
- International workshop on Recent Advances in Lattice Reuction algorithms and their Applications during 10th-12th April,2012 held at CRRAO AIMSCS,HCO,Hyderabad,India
- One week STTP on Artificial Intelligence and Machine Learning-AMC Engineering College Bengaluru 22nd March to 27th March 2021.
- Workshop on R A language and environment for statistical computing and graphics Vignan university 29th June to 30th June 2021.

PERSONAL INFORMATION:

Address	Tower A, Flat No 404,CELEST Gajuwaka, Visakhapatnam
Phone	9666699505 / 9177003404
Marital Status	Married
Spouse Name	Suryanarayana Divakarla
Profession	SITE HEAD Aurobindo Pharma Visakhapatnam
Nationality	Indian
Date of Birth	15 th January 1976
Gender	Female
Languages Known	English, Hindi, Telugu, Kannada.

DECLARATION:

I hereby declare that all the information mentioned above is true to my knowledge and I bear the responsibility for the above mentioned particulars.

DATE:

PLACE:

(Dr Chaya Kumari Divakarla)