

PROFILE

Name: ARIGELA V. V.S. MURTHY
Department: Mathematics
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Designation: Assistant Professor & Head
Institution: Dr. S. R. K. Govt. Arts College
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Academic Profile (P.G onwards):

- Pursuing Ph. D. in JNTUK, Kakinada, Andhra Pradesh
- M.Tech.(CST with CN) from AUCE(A), Visakhapatnam, Andhrapradesh
- M.Phil. in Mathematics from Madurai Kamaraj University, Madurai, Tamilnadu
- M.Sc.(Applied Mathematics) from Andhra University, Visakhapatnam, Andhra Pradesh

Service Details:

- ❖ 19 Years of Teaching Experience

Date of Joining in this Service:

03rd January 2013

Orientation Course Attended:

Attended 28 days UGC sponsored Orientation Programme at University of Hyderabad, Hyderabad from 28th June to 25th July 2013.

Refresher Courses Attended :

1. Attended 21 days UGC sponsored Refresher Course in Computer Science(Computer Science/**Maths**/Statistics) at University of Calicut, Calicut(Kerala) from 10th August to 30th August 2016.

2. Attended Two weeks UGC sponsored Refresher Course in **ICT (Information and Communication Technology)** at Sri Venkateswara University, Tirupati(Andhra Pradesh) from 10th February to 22nd February, 2020.

3.Participated in **TWO WEEK ONLINE FACULTY DEVELOPMENT PROGRAMME ON ADVANCED CONCEPTS FOR DEVELOPING MOOCS** conducted by Teaching and Learning Centre, Ramanujan College, University of Delhi, from 2nd July, 2020 to 17th July, 2020.

PUBLICATIONS:

A. Journal Articles:

1. Published a paper on “ **An Efficient Group Key Management Based on Bilinear Pairings**” in the Journal ” **Journal of Computational Information Systems**” with **ISSN:1553-9105** pp **1-10** in the year **2019**. Link <http://jof-cis.com/article/an-efficient-group-key-management-based-on-bilinear-pairings/>
2. Published a paper on “ **An Efficient Group Key Transfer Protocol for Secure Encryption**” in the Journal ” **Journal of Physics Conference Series**” in the year **2019**. Link <https://iopscience.iop.org/article/10.1088/1742-6596/1344/1/012003>
3. Published a paper on “**Implementation of Authenticated Group Key Management Scheme for Wireless Sensor Networks**” in the Journal ‘ **International Journal of Recent Technology and Engineering (IJRTE)**’, ISSN: 2277-3878 (Online), Volume-10 Issue-6, March 2022. Page No.: 77-82..Link <https://www.ijrte.org/portfolio-item/e67780110522/>
4. Accepted a paper on “ **Application of Mathematics in Design of Group Key Management Method**” in the Journal ” **i-manager’s journal of Mathematics(JMAT)**” with **ISSN: 2277-5137** (Online), in the year **Feb. 2022**.

B. Published Books:

1. Published a paper on “ **The Mathematics of Atmospheric Dispersion Modelling**” in the book ” **Interdisciplinary Aspects of Environmental Science**” with ISBN 978-81-9107 pp 126-135 in the year 2016.
2. Published a paper on "A Secure RSA Encryption Method Based on Various Public Keys" in the book "Infinitude Frontiers of Research in Mathematics, Statistics and Computer Science " with ISBN 9788191070627 pp 01-13 in the year 2016.
3. . Published a paper on “**Challenges & Prospects of Online Education In India During The Pandemic**” in the book **CRISIS OF COVID-19 & INDIAN ECONOMY**” with ISBN **978-93-5472-199-1** pp 125-136 in the year 2021.

MEMBERSHIPS:

Life Membership by “**International Association of Engineers (IAENG)**” Since September, 2016 with **Member Number: 176371**

LIST OF TRAINING PROGRAMMES AND FDPS

1. Participated in a 3 days Training Programme on “*E-Literacy (IT for Non-IT)*” at Dr. S. R. K. Govt. Arts College, Yanam from 17th to 19th April 2013.
2. Participated the audit courses on **Research Methodology ,Intellectual Property rights & Patents** As well as credit course on “**Computational Numerical & Statistical Methods by using MATLAB**” During 1st May 2014 to 30th May 2014 conducted by JNTUK, Kakinada.
3. Participated in 8 Days Training Programme in ICT Training Academy on “ICT Education and E-Content Development for E-Learning System” at Dr. S. R. K. Govt. Arts College, Yanam from 6th to 13th April 2015.
4. Participated in 6 days training programme on “Introduction to Design of Algorithms” conducted by Indian Institute of Technology, Kharagpur at Kakinada Institute of Engineering & Technology, Korangi from 25th to 30th May 2015.(Summer Vacation)
5. Participated in 5 days Online International Faculty Development Programme on “Online Teaching Tools for Video Lecturing and Digital e-Learning” conducted by Sir C R Reddy College, Eluru Andhra Pradesh, from 19th to 23rd May 2020.
6. Participated in Three day Online National Level FDP on “Online Teaching Using ICT Tools ” conducted by SVKP & Dr. K. S. Raju Arts and Science College, Penugonda from 23rd June, 2020 to 25th June, 2020.
7. Participated in TWO WEEK ONLINE FACULTY DEVELOPMENT PROGRAMME ON **ADVANCED CONCEPTS FOR DEVELOPING MOOCS** conducted by Teaching and Learning Centre, Ramanujan College, University of Delhi, from 2nd July, 2020 to 17th July, 2020.

SEMINARS/CONFERENCES/WORKSHOPS/ PARTICIPATED:

1. Participated Two-Day National Conference or “Emerging Trends in Mathematical Sciences and Engineering Applications(ETMSEA-2014)” at JNTUK , Kakinada on 23rd and 24th May 2014..(Summer Vacation)
2. Participated in a Two-Day Workshop on “Mathematical Principles of Cryptography & Cryptanalysis” on 1st & 2nd December 2014 at University of Hyderabad, Hyderabad.
3. Participated One-Day UGC National Seminar on “*Human Rights*” at Dr. S. R. K. Govt. Arts College, Yanam on 13/02/2015, Puducherry.

4. Participated in a Two- Day International Conference On “Recent Trends and Research Issues in Computer Science and Systems Engineering (ICRTRICSE-2K15) “ and presented a paper titled " Design and Development of New Digital Signature Scheme" conducted by Andhra University at AU College of Engineering (A), Visakhapatnam on 2nd and 3rd May, 2015(Saturday & Sunday)
- 5.Participated a National Workshop on **Human Values and Professional Ethics for Individual and Society**” on 09/09/2015 at Dr. S.R.K. Govt. Arts College, Yanam, Puducherry.
- 6.Participated in One-Day RUSA sponsored Regional Workshop on “**Entrepreneurial Development**” on 05/02/2016 at Dr. S. R. K. Government Arts College, Yanam, Puducherry.
7. Participated in One-Day RUSA sponsored Workshop on “**Writing for Mass Media**” on 12/02/2016 at Dr. S. R. K. Government Arts College, Yanam, Puducherry.
8. Participated in One-Day RUSA sponsored National Seminar on “**Comparative Study of Languages and Literary Elements in English, Hindi, Tamil and Telugu**” on 23/02/2016 at Dr. S. R. K. Government Arts College, Yanam, Puducherry.
9. Participated in One-Day RUSA sponsored National Seminar on **Interdisciplinary aspects of Environmental Science**” and presented a paper titled “**The Mathematics of Atmospheric Dispersion Modelling** ” on 24/02/2016 at Dr. S. R. K. Government Arts College, Yanam, Puducherry.
10. Participated in World Poetry Day **National Poetry Convention & Recitation**” on 21st March 2016 organized by ‘Kavi Sandhya’ – A Literary and Cultural Organization, Yanam at Dr. S. R. K. Government Arts College, Yanam, Puducherry.
11. Participated in an International Workshop on **SMT Solvers based Cryptanalysis**’ from June 27-29, 2016 at C.R.RAO Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS), Hyderabad.
12. Participated in National Seminar on " Yanam Poetry Festival-2016 " and presented a paper titled "**Influence of Gurajada on Telugu Poetry**" on 26th & 27th November 2016 at Yanam, Puducherry
13. Participated in a Two-day National Seminar on " Emerging Trends in Mathematics” and presented a paper titled “**Blind Signature Scheme from Bilinear Pairings** ” on 8th & 9th December, 2016 at SIR C R Reddy Autonomous College, ELURU(Andhra Pradesh).
- 14..Participated in One-Day RUSA sponsored Seminar on“**Gender Equality**” on 17th March, 2017 at Dr. S. R. K. Government Arts College, Yanam.
- 15..Participated in One-Day RUSA sponsored Seminar on “**Women Entrepreneurship**” on 4th August, 2017 at Dr. S. R. K. Government Arts College, Yanam.

- 16..Participated in One-day Seminar on“**Legal Rights of Women**” on 10^h November,2017 at Dr. S. R. K. Government Arts College, Yanam.
- 17..Participated in 3^d International Conference on“ **Recent Advances In MathematicaSciences and Applications**” on December,2017 at Gayatri Vidya Parishad College of Engineering, Visakhapatnam.
18. Participated in Two Day National Seminar on “**A Meet to Tone Up the Future to Innovate, Edducate and Elaborate**” on 2nd and 3rd February, 2018 Organised by Teaching Fraternity of the Pondicherry University and Government Arts& Science at Puducherry.
19. Participated in One-Day National Seminar orf“**Pattabhi Literature and its Relevancē**” on 19th February, 2018 at Dr. S. R. K. Government Arts College, Yanam, Puducherry.
20. Participated in One-Day National Seminar on “**Contemporary Poetry**” on 21th March, 2018 at Dr. S. R. K. Government Arts College, Yanam, Puducherry
- 21.Participated in one day UGC Sponsored National Work Shop off**R**” on 16th February, 2019 at A.S.D. Govt. College for Women, Kakinada.
22. Participated in an International Conference on “ **Recent Inventions and Innovations in Mathematical Sciences** “ and presented a paper titled**An Efficient Group Key Management for Secure Encryption**” on 28th February& 1st March,2019 at Andhra University, Visakhapatnam(Andhra Pradesh).
- 23.Participated in National Work Shop off**MATLAB IN APPLIED SCIENCES**”on 19th September, 2019 at MVN JS & RVR College of Arts and Science, Malikipuram (Andhra Pradesh).
- 24.Participated in the **20th International Conference on Cryptology in India,” INDOCRYPT-2019**” from December 15-18, 2019 at C.R.RAO Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS), Hyderabad
- 25.Participated in Two-Day National Workshop on “**Quality Assessment, Sustenance and Enhancement- A Journey With NAAC** ” on 27th & 28th February,2020 at Dr. S. R. K. Government Arts College, Yanam, Puducherry.
- 26.Participated in Online Workshop on “ Interactive e-content “ organized by Women’s Polytechnic College, Puducherry from 4th May,2020 to 8th May, 2020
- 28.Participated in one day National Webinar on “Mathematics is EveryWhere” organised by **S.K.ArtsCollegeandH.S.K.ScienceInstitute,Hubballi** on 12th May, 2020.
- 29.Participated in National Webinar on “**Mathematical Applications on Differential Equations** ” on 26/6/2020 at Sir C R Reddy College, Eluru Andhra Pradesh.

30.Organized a National Level Online Quiz on “ **ICT Tools in Education**” on **29/07/2020** at Dr. S. R. K. Government Arts College, Yanam, Puducherry.

31. Participated in National Webinar on “**Impact of COVID-19 on Offline Classes** ” on 8/8/2020 at Dr. S. R. K. Government Arts College, Yanam, Puducherry

32.Participated in National Webinar on “**MINDING OUR MENTAL HEALTH DURING PANDEMIC OUTBREAK**” ” on 8/15/2020 at Dr. S. R. K. Government Arts College, Yanam, Puducherry.

33.Participated in National Webinar on “ICT - The Navigator Of The Economy DuringThe Pandemic Outbreak” ” on 9/1/2020 at Dr. S. R. K. Government Arts College, Yanam, Puducherry.

Place: Yanam

Date: 13/05/2022.

(A. V. V.S.MURTHY)