Faculty Profile

Name of the Faculty	:	Dr.Jyothi.Gaddipati
Designation	:	Associate Professor
Email & Phone No.	:	drjyothivellanki@gmail.com
Department	:	BS&H
Educational Background	:	M.Sc,Ph.d

Research Areas	:	Algebra
Experience	:	

Sl. No	Institute	Designation	Period
1	S.D.M.S.Mahila Kalasala,Vijayawada	Assistant Professor	2010-2024

List of Publications (National and International Journals):

.The Paper titled "Neutrosophic ideals of -Semigroups" has been published in GIS Science Journal(UGC Care),Volume 9,Issue 9,September 2022 with Issn 1869-9391, Pg no.1161-1166(Manuscript ID : GSJ/8714)

2.The Paper titled "On Clean Neutrosophic Semi Rings" has been published in YMER Journal(UGC Care Group-II),Volume 22,Issue 03,March 2023 with Issn 0044-0477,Pg No.392-395

3. The Paper titled "Mathematical modeling to the electrical nerve excitation" has been published in Bulletin for technology and History(BTH),an UGC care group-II journal ,Volume 23,Issue 4,April 2023 with ISSN No 0391-6715,Pg No.299-301(Paper Id:BTH/1614).

4.The Paper titled "CHARACTERIZATION OF A BOUNDED DISTRIBUTIVE LATTICES IN A -SEMIGROUP"has been published in Quaderns journal,an UGC care group-II journal ,Volume 11,Issue 5,May 2023 with ISSN No 1138-5790 ,Pg.No 231-238(Paper Id:QJ-3435).

5.The Paper titled "Effect of radiation on MHD-free convection over a movable vertical porous plate with viscous dissipation and heat generation in the presence of chemical reaction " has been published in Journal for Basic sciences(JBS),an UGC care group-II journal ,Volume 23,Issue 5,May 2023 with ISSN No 1006-8341,Pg No.1646-1650 (Paper Id:JBS/2851).

6.The Paper titled "PARTITIONING STRONG CO-IDEALS IN QUOTIENTS OF SEMIGROUP" has been published in Bulletin for technology and History(BTH),an UGC care group-II journal ,Volume 24,Issue 2,February 2024 with ISSN No : 0391-6715,Pg No.269-273 (Paper Id:BTH/2335).

7.The Paper titled "On Essential and Weak Essential Ideals in Ternary Semigroup" has been published in GIS Science Journal(UGC Care Group II),Volume 11,Issue 7,July 2024 with Issn 1869-9391(Manuscript ID : GSJ/12853) Pg no.868-872

8.The Paper titled "Modeling the velocity of a vertically launched single-stage rocket with time-varying mass" has been published in GIS Science Journal(UGC Care Group II),Volume 11,Issue 8,August 2024 with Issn 1869-9391(Manuscript ID : GSJ/12856) Pg no.79-81

9.The Paper titled "Numerical Study of MHD Casson fluid flow and heat transfer near a stagnation point on an inclined porous surface " has been published in tanz Research Journal(Scopus UGC Care Group II),Volume 10,Issue 8,August 2024 with Issn 1869-7720(Manuscript ID : Tanz-3157) Pg no.105-117.

10.Jyothi.G, Sarala. Y, Madhusudhana Rao.D, "Semipseudo Symmetric Ideals in Partially ordered Ternary Semigroups" Volume 3, Issue 4, April 2014.

11.Jyothi.G, Sarala. Y, Madhusudhana Rao.D," Right and lateral ideals in ternary semigroups"GJPAM(2017),Vol – 11,November 2015,PP 031-2037.

12.Jyothi.G, Sarala. Y, Madhusudhana Rao.D Daya Murali.S, International Journal of Scientific and Innovative Mathematical Research (IJSIMR),Volume 2, Issue 11, November 2014, PP 876-879.

13.Jyothi.G, Sarala. Y, Madhusudhana Rao.D ,Nageshwara rao.T."Right ideals in Γ -semigroups".IJPAM,Vol-114,No-3, 2017,PP 515-521.

14.Jyothi.G, Sarala. Y, Madhusudhana Rao.D" Characterization of 2-primal SN Γ -semigroups. IJPAM, Vol-114,No-4, 2017,PP 875-880.

15. Jyothi.G Sarala. Y, Madhusudhana Rao.D,International Journal of Chemical Science, Vol-15,Iss 1,March(2017).

16.Jyothi.G, Sarala. Y, Madhusudhana Rao.D" On Strongly Duo And Duo Left Γ-Ts-Acts Over Ternary Γ-Semigroups" IJPAM,Vol- 113,No-7.2017, 1-7

17. Jyothi.G, Sarala. Y, Madhusudhana Rao.D " Prime and Maximal ideals in Γ -semigroups", IJPT,(2017) vol-9,Iss-2,

18. Jyothi.G, Sarala. Y, Madhusudhana Rao.D " 2-Primal Γ - semigroups", IJPT,(2017) vol- 9,Iss-3,PP 30540-30552.

19. Jyothi.G, Sarala. Y, Madhusudhana Rao.D" Strongly prime ideals in Γ - semigroups", International Journal of Chemical Science, Vol: Iss-4:

20. Jyothi.G, M.Dhanalakshmi and Tulasi," A Note on co-ideals in ternary semigroups, IJMTST.

21. Jyothi .G and M.Dhanalakshmi " A study on unsteady MHD free convection and mass transfer flow past a vertical porous plate", Mathematical Sciences International Research Journal, Vol 5, Spl Issue(2016).

22. Jyothi.G and M.Dhanalakshmi,'' An application of Gauss Elimination technique to magic square '' International Journal of Scientific Development and Research , Volume 4, Issue 1 January 2019, ISSN: 2455-2631.

23. Jyothi.G and M.Dhanalakshmi," Execution of System of Linear Equations in Electrical Networks'', International Journal for Research in Applied Science & Engineering Technology , Volume 6 Issue XII, Dec 2018- ISSN: 2321-9653.

24. JyothiG and M.Dhanalakshmi,'' Implementation of system of linear equations to traffic flow for a network of four one-way streets in Benz-Circle Vijayawada. International Journal for Research in Applied Science & Engineering Technology , Volume 7, Issue I, Jan 2019, ISSN: 2321-9653

25.Jyothi.G and M.Dhanalakshmi,'' Temperature Distribution Using linear Equations", International journal for Trends in Science and Technology, Vol-5,Issue 1, Jan - 2019.ISSN:2455-3778.

26.Jyothi.G and M.Dhanalakshmi,'' An Application to Markov Chain", International Research for Engineering and Technology, Vol 6,Issue 1, Jan 2019, ISSN:2395-0072.

27.Jyothi.G and M.Dhanalakshmi'' Some note on elimination Theory" International Research for Engineering and Technology, Vol 6,Issue 1, Jan 2019, ISSN:2395-0072.

28.Jyothi.G and M.Dhanalakshmi "APPLICATION OF POLYGRAPHIC SYSTEM IN ENCODING" IJSRR, Vol 8, Issue 1,Jan 2019, ISSN NO: 2279-543X,

29.Jyothi.G and M.Dhanalakshmi," Implementation of linear algebra in balanced equation, IJRASET,Issn:2321-9653,Vol-6, Issue XII,Dec-2018. 27.Jyothi.Gand M.Dhanalakshmi, " A Study on matrices in elimination theory"Issn:2455-2631,IJSDR,Vol-4,Issue-1,Jan2019.

30.Jyothi.G and M.Dhanalakshmi," Coupled oscillators and Eign values " IJMTST,Issn;2455- 3778,Vol-05,Issue :01,Jan -2019.

31.Jyothi G and M.Dhanalakshmi," Application to markov chain" IJMTST,Issn:2455-3778,Vol05,Issue :01,Jan -2019

National/International Conferences ((National and International):

National/International Conferences:
- Participated in International Virtual Conference on "Recent Trends in Applied Mathematics" held on 7/10/2022 organized by Sri RamaKrishna Institute Of Technology, Coimbatore with paper titled "Effective of the Eigen Vector to the Economic Model"
- Participated in International Virtual Conference on "Recent Trends in Applied Mathematics" held on 7/10/2022 organized by Sri RamaKrishna Institute Of Technology, Coimbatore with paper titled "Effect of Radiation on MHD-FREE Convection"
- Participated in International Virtual Conference on "Recent Trends in Applied Mathematics"-held on 7/10/2022 organized by Sri RamaKrishna Institute Of Technology, Coimbatore with paper titled "ODE Application To Parachute Problem   "
- Participated in Conference Proceedings of the National Conference on Innovations in Science Engineering and Technology(JACSICE - NCISET'22) with ISBN: 978-93-94293-01-4
  Paper titled 1. "Almost Clean Semiring"
              2. "Mathematical Modeling of the Physical Phenomena of Heat Conduction by Electricity"
              3. "ODE Approach to the Parachute Problem"
  held on 21-10-2022.

. • Preesnted a paper on " A note on ideals in ternary semi groups'' in the two day national seminar on "Recent Trends And Applications in Algebra" conducteed by K.B.N.College, Vijayawada on 19-20th Feb,2015.

• Presented a paper on "History Of Mathematics" in the two day national Seminar on "Women in Mathematicians with reference to Leelavathi" conducted by S.P.W College Tirupati on 7-8 th March,2015.

• Presented a paper on "A Study on Maximal ideals in Ternary Semi groups", in the two day national Seminar on "Women in Mathematicians with reference to Leelavathi" conducted by Maris Stella College, Vijayawada on 20-21st Feb-2015.

• Presented a paper on'' A Role on ICT in Mathematics" in the one day National Seminar on'' Role of Information and Communication Technology in Rural Development'' conducted by S.D.M.S.M.Kalasala, Vijayawada on 25th feb-2015.

• Participated in a Two-day National workshop on "Essence of Mathematics in Engineering Applications'' organaised by Department of Mathematics, K.L.University on 26-27th mar.2015

• Presented a paper on ' Left ideals in ternary Γ -semigroup" in the 24th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications August 22-26, 2016, Aanand International College of Engg., Jaipur, India.

• Presented a paper on "A Structure on Noetherian Γ -semigroups", in the 9th NATIONAL CONFERENCE ON MATHEMATICAL TECHNIQUES AND APPLICATIONS (NCMTA - 2017) - DEPARTMENT OF MATHEMATICS - SRM UNIVERSITY.

• Presented a paper on "Implementation of Linear Algebra In Balanced Equation " in the International Conference on Recent Innovations in Arts, Science and Technology (ICRIAST2018) .

• Attended Two-Day National Seminar on "R-Studio and Data Analysis through Excel" held on 13th & 14th June,2023 organized by department of Mathematics & Statistics, CSSR & SRRM Degree & PG college ,Kadapa, A.P.

• Participated in the National Webinar on "MATLAB and its Applications" organized by department of Mathematics , Statistics & IQAC, Sir.C.R. Reddy College and Department of Mathematics, YVNR Govt Degree College, Kaikaluru held on 4th september,2023.

Achievements/Awards etc: