

RESUME



Name	Dr. P. GAYATHRI
Designation	LECTURER IN MATHEMATICS
Employee ID	1756731
Date of Birth	20/08/1979
Date of appointment	24/12/2011
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Educational Qualifications

Qualification	Institution	Year
PhD	Sri Krishnadevaraya University, Ananthapuram	2010
M.Phil	Madurai Kamaraj University, Madurai	2006
MSc	Sri Krishnadevaraya University, Ananthapuram	2003
BSc	S.S.B.N. Degree college, Ananthapuram	1999
Intermediate (Group)	Board of Intermediate Education, Andhra Pradesh.	1996
SSC	Board of Secondary Education, Andhra Pradesh	1994

Career Profile

Designation	Institution/College/Office	Period
Lecturer in Mathematics	MVS Govt. Degree College, Mahaboobnagar.	24-12-2011 to 9-10-2013
Lecturer in Mathematics	Govt. Degree College, Rayachoti	10-10-2013 to 2-10-2021
Lecturer in Mathematics	Govt. Degree College, Puttur	03-10-2021 to till now

Orientation/Refresher Courses/Training Programmes attended

Programme	Conducted by	From	To	No. of Days
Induction training programme	APPSC, Hyderabad	26-12-2011	31-12-2011	6
Refresher Course in Disaster Managememt	UGC-HRDC, S.V. University, Tirupathi.	08-12-2014	27-12-2014	21
Orientation Course	UGC-HRDC, S.V. University, Tirupathi	25-01-2016	20-02-2016	28
Refresher Course in Mathematics	UGC-HRDC, S.V. University, Tirupathi	23-10-2017	11-11-2017	21
SWAYAM Online Course Certification	SWAYAM	29-07-2019	26/10/2019	15 weeks
NPTEL Online Certification Course	Ministry of HRD Govt. of India,	26-08-2019	18-10-2019	8 weeks
Faculty Development Programme	Commissioner of Collegiate Education, Vijayawada.	13-07-2020	17-07-2020	5
Faculty Development Programme	Commissioner of Collegiate Education, Vijayawada.	03-08-2020	07-08-2020	5
Refresher Course in Gender Studies (online)	UGC-HRDC, S.V. University, Tirupathi	10-11-2022	23-11-2022	14 days
Three days Training programme on Internship and LMS	Nodal resource center, S.V.A. Government College, Srikalahsti	02-02-2023	04-02-2023	3 days
6 Day training programme on English medium of instruction, Proficiency in English	Organized By CCE, Nodal resource center, S.V.A. Government College, Srikalahsti	05-06-2023	10.06.2023	6 days
30 hours of online Facilitator training program on A1 fluency, digital productivity, and employability skills	Microsoft in collaboration with Andhra Pradesh information technology academy under Microsoft diversity skilling progarm	18-12-2023	22-12-2023	5 days
NEP 2020 orientation & sensitization programme under MM-TTP (UGC)	UGC-MMTTC, S.V.U, Tirupathi	22-01-2024	31-01-2024	10 days

One day training programme on UNESCO-MGIEP SEEK & SEL	UNESCO-MGIEP	23-01-2024		01 DAY
05 day Non- residential training of the trainers programme on Mathematics	Commissionerate of Collegiate education, Mangalagiri, Andhra Pradesh	16-04-2024	22-04-2024	05 days
One week online International Faculty Development Program on Numerical Computations and Dynamical Systems	Anurag University, Hyderabad, Telangana	22-07-2024.	26-07-2024	07 days

Administrative Assignments

Committee	Convener/Member
Department of Mathematics (UG)	Lecturer incharge
Department of Mathematics (PG)	Coordinator
Staff Council	Member

Extension Activities (BOS member, Paper Setter, Mana TV Presenter, Columnist etc. other if any)

Nature of Activity	Details
BOS Member	DKW College(A), Nellore, 2018-2020
BOS Member	Govt. College for Men (A), Kadapa., 2019-2021
BOS Member	Yogi Vemana University, Kadapa..2019-2021
BOS Member	Sri Venkateswara University, Tirupathi, 2021-2023
BOS Member	Sri Vivekananda Degree College for Women, Autonomous, Kadapa.

Paper Setter	Sri Krishnadevaraya University, Ananthapuram.
Paper Setter	Sri Ramakrishna Degree College(A), Ananthapuram.
Paper Setter	Govt. College for Women (A), Kadapa.,
Paper Setter	Govt. College for Men (A), Kadapa.,
Paper Setter	Vikrama Simhapuri University, Nellore.

Academic Performance (Pass percentage in the subjects taught in the last academic year)

Semester	Class	Paper taught	Appeared	Passed	% of Pass
Sem-V	III MPCs	Paper-V Ring theory and Vector calculus	9	9	100%
Sem-V	III MPCs	Paper-VI Laplace Transforms	9	9	100%
Sem-III	II MPCs	Paper-III Abstract Algebra	14	12	86%
Sem-I	I MPCs	Paper-I Differential Equations	18	15	83%

Innovative teaching-learning methodologies used

Semester	Class	Paper taught	Topics for which ICT is used	Topics for which Study material Prepared
Sem-I	B.Sc.-I	Differential Equations	ICT used	Material given to students
Sem-II	B.Sc.-I	Solid Geometry		Material given to students
Sem-III	B.Sc.-II	Abstract Algebra	ICT used	Material given to students

Sem-IV	B.Sc.-II	Real Analysis		Material given to students
Sem-V	B.Sc.-III	Ring theory and Vector Calculus	ICT used	Material given to students
Sem-V	B.Sc.-III	Laplace transforms		Material given to students
Sem-VI	B.Sc.-III	Linear Algebra-I	ICT used	Material given to students
Sem-VI	B.Sc.-III	Multiple Integrals and Vector calculus		Material given to students
Sem-VI	B.Sc.-III	Cluster Elective Papers		Material given to students
Sem - I	M. Sc.	Ordinary differential equations		Material given to students
Sem - II	M. Sc.	Partial differential equations		Material given to students
Sem - III	M. Sc.	Differential Geometry		Material given to students

Publication Profile	International	National	State Level	Total
Publications	20	--	--	20
Conference Proceedings	16	27	--	43
Books/Chapters Published	02	05	--	07

International (In the order of Peer reviewed, conference proceedings, Books)

S.No .	Name of Journal/ Publication	ISSN/ISBN/Ref No. (If any)	Title of Published Work	Vol. No.	Page No.	Year of Publication
1.	Int. Journal of Electric, Electronics & Computing	ISSN 2229-3027	Convective heat transfer in a rectangular cavity under the	Vol.2(4)	109 117	Sep - Dec-2011
2.	International Journal of Math.Sci&Engg.Appls.	ISSN 0973-9424	Two dimensional heat and mass transfer effects of an unsteady	Vol. 6, No.VI		November-2012
3.	International Journal of Mathematical Archive-	ISSN 2229-5046	Numerical studies on MHD flows with viscous dissipation and the		328-335	February -2013
4.	Int. Journal of Engineering research and Applications	ISSN 2248-9622	Effects of hall and thermal on MHD stokes' second problem for	Vol.5, issue 4	16-28	April-2015
5.	Int. Journal of Engineering research and Applications	ISSN 2248-9622	Heat transfer on steady MHD rotating flow through porous	Vol.5, issue 4	29-38	April-2015
6.	Int. Journal of Engineering research and Applications	ISSN 2248-9622	MHD Natural convection flow of an incompressible electrically	Vol.5, issue 4	44-49	April-2015
7.	International Journal of Science and Innovative	ISSN 2347-307X	Non-darcian convective flow in a circular duct partially filled with	Vol. 3	33-37	July-2015
8.	Mathematical Sciences	ISSN 2278-8697	Convective heat transfer flow of cuo-water nano fluid in a wavy	Vol.6, issue 2	112-118	July - 2017
9.	Mathematical Sciences International Research	ISSN 2278-8697	Heat transfer flow in a channel bounded by stretching walls with	Vol.8, issue 1	43 to 53	June - 2019
10.	Compliance Engineering Journal an UGC – CARE	ISSN 0898 - 3577	Effect of Non-linear thermal radiation on convective heat and	Vol.11, Issue 11	122-133	October - 2020
11.	PENSEE International Journal	ISSN 0031- 4773	Effect of chemical reaction, thermal radiation and absorption	Vol.51, Issue -07	296-305	July-2021
12.	YMER Scopus Active 2023, Care UGC Group – II Journal	ISSN 0044-0477	Impact of variable viscosity, Activation energy on MHD mixed convective heat and mass transfer flow of a nanofluid in a cylindrical annulus	Volume 22, ISSUE 02,		April-2022

13.	UGC Care list approved Journals	ISSN 2457-0796	The role of Kasturiba Gandhi in the freedom movement	Volume 25, ISSUE 13,	260-262	October-2022
14.	YMER Scopus Active 2023, Care UGC Group – II Journal	ISSN 0044-0477	Effect of inclined magnetic field on non-darcy convective heat and mass transfer flow of chemically reacting nanofluid past a vertical wavy with non-uniform heat sources	Volume 22, ISSUE 02,	767-782	February-2023
15	Mukt Shabd Journal	ISSN No. 2347-3150	Impact of non-linear thermal radiation, thermo-diffusion and radiation absorption on three-dimensional hydro-magnetic convective heat and mass transfer flow over a stretching sheet filled with Al ₂ O ₃ -water based nanofluid with non-uniform heat source	Volume XII, Issue XII,	309-327	December , 2023.
16	Mukt Shabd Journal	ISSN No. 2347-3150	Impact of variable electrical conductivity, viscosity on convective heat and mass transfer flow of CUO and Al ₂ O ₃ – water nanofluids in cylindrical annulus	Volume XIII, Issue VII,	1048-1080	July-2024
17	JETIR- Journal of emerging technologies and innovative research	ISSN 2349-5162	Effect on Double dispersion, activation energy, variable viscosity on MHD convective heat and mass transfer flow of nanofluid in a vertical channel with asymmetric slips and Newtonian cooling	Volume 11, issue 11	520-535	November-2024
18	Journal of technology	ISSN 10123407	Numerical analysis of hydrodynamics convective heat transfer flow of ethylene glycol-	Volume 14, issue 4, 2026	367-386	

			based ternary, hybrid and mono nanofluid in cylindrical annulus with variable viscosity, thermal conductivity and electrical conductivity			AAPRIL-2026
19	International Journal of Ambient energy	ISSN 0143-0750	Thermo hydrodynamic analysis of Al ₂ O ₃ nanofluid convection in a porous vertical annulus: a comparative investigation of ethylene glycol, engine oil, and kerosene base fluids under MHD radiative, and thermos-diffusive conditions	Volume 47, No.1, 267954	1-16	May 2026
20	Indian journal of Biochemistry and Biophysics		Influence of variable viscosity and nonlinear radiation on heat and mass transfer in rotating ternary nanofluid flow over a stretching sheet	Vol. 63,	Pp 904-922	August 2026
Books/Chapters						
1.	Women in India through the ages-a glance	ISBN 978-93-5171-082-0	Women and Education	2015		
2.	Jewels of tourist destination in Andhra Pradesh potentialty & Prospects	ISBN 978-82-89132-80-5	Veerabhadra swamy temple, Rayachoty in Kadapa dist.	2015		
3.	Globalisation - A strategy towards women empowerment	ISBN 978-93-85101-15-1	Impact of Globalization on Indian women	2016		
4.	International Terrorism And women Trafficking	ISBN 978-81-939248-7-7	Women Harassment at work places	2018		
5.	International Journal of Multidisciplinary Educational Research	ISSN 2277-7881	Role of ICT in development of tourism industry	2020		
6.	The role of women in telugu literature during the freedom movement	ISSN No. 2457-0796	Musi special edition, vol.25, issue, 13	21-22 nd October-2022		
6.	Pollution control and sustainable environment	ISBN 978-93-5780-717-3	Raja rammohan roy ISBN agency	24 th & 25 th Feb-2023		

7.	Research Methodology in Environmental Sciences	ISBN 978-93-90028-80-1	YVNR Govt. Degree College	February-2024
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Conferences/Seminars/ Workshops attended

International

S.No.	Name of the conference/ Seminar/workshop	Conducted by	Date(s)
1.	MHD mixed convective heat transfer in a horizontal wavy channel with radiation effect.	Dept of Mathematics, S.V.University Tirupathi, in association with University of Botswana, Gabprpme.	21 st - 23 rd July - 2014
2.	Non-darcian convective flow in a circular duct partially filled with porous medium with the	Dept of Mathematics, S.V.University, Tirupathi.	13 th - 15 th July - 2015
3.	Convective heat transfer flow of Cu-water nano-fluid in a wavy pipe with thermal radiation	Prvidence college for women Cooner, Tamilnadu, India in collaboration with Interational multidisciplinary research	4 th - 5 th Aug - 2017
4.	Women Harasement in workplace	International terrorism and women trafficking challenges and policy options, Dept. of Political science, Govt. College for Men, Kurnool.	31 st Jan & 1 st Feb 2019
5.	Heat transfer flow in a channel bounded by stretching walls with hall currents, thermal	International Conference on Mathematical Engineering Applications for sustainable development 2019 at IMRF	12 th -13 th July - 2019
6.	Effect of chemical reaction, thermal radiation and radiation absorption on convective heat and	International Conference on Mathematical Advances & Applications 2020 RED Talks daily International	23 rd - 24 th Nov - 2020
7.	Effect of non-linear thermal radiation and partial slip on unsteady mhd flow of a nanofluid past a permeable stretching sheet through a porous medium with suction / injection, convective heat transfer	International Conference on Recent advances in fluid mechanics 2022, Manipal Institute of technology, Manipal	4 th -6 th October 2022
8.	Convective heat and mass transfer flow past a vertical wavy wall with variable viscosity thermal conductivity thermal radiation and chemical reaction.	International Conference on Emerging trends in Commerce, Management, Languages, Science & Technology, Aurora's degree and Pg college, Hyderabad.	25 th -26 th November, 2022
9.	Impact of variable electrical conductivity, viscosity, on convective heat and mass transfer	International Conference on Innovations and developments in mathematical sciences and technology, Organized by S.K.U,	28 th - 30 th June, 2023.

	flow of CUO and Al ₂ O ₃ – water nanofluids in cylindrical annulus	Ananthapuramu.	
10.	Effect of non-linear thermal radiation and partial slip on unsteady MHD flow of a	International Conference on Recent Trends in Fluid Mechanics head at Manipal Institute technology Manipal	4 rd & 6 th October,2022.
12	Convective heat and mass transfer flow past a vertical wavy wall with variable viscosity conductivity thermal radiation and chemical reaction	International conference on emerging trends in commerce, management, languages, science & technology	25 th & 26 th November, 2022
13.	Impact of variable electrical conductivity, viscosity on convective heat and mass transfer flow of CUO and Al ₂ O ₃ water nanofluids in cylindrical annulus	International on Innovations and developments in mathematical sciences and technology, S.K.U, Ananthapuramu.	28 th - 30 th June, 2023
14.	Women rights violation	International seminar on “The Israeli-Pasestinian imbroglio-issues and players – a multi pronged strategies for dispute resolution”	22 th & 23 th February, 2024
15.	Role of Mathematics in Bio Sciences	International Conference on Frontiers in Modern Biology , Department of Zoology, Governmemt College for Men(A), Kadapa.	November 6 th , 2024.
16.	Impact of non-linear thermal radiation, thermo-diffusion and radiation absorption on three-dimensional hydro-magnetic convective heat and mass transfer flow over a stretching sheet filled with Al ₂ O ₃ p-water based nanofluid with non-uniform heat source	International Conference on Mathematics and its Applications -2024 PG & Research Department of Mathematics, Periyar arts college, Cuddalore, Tamilnadu	December. 13 th 2024

National

1.	Challenges of higher education	G.V.R.S. Government Degree College, Dronachalam, Kurnool dist.	30 th - 31 st Jan - 2014
2.	Three -day national workshop on Mathematics and its applications	Yogi Vemana University, Kadapa	4 th - 6 th Feb - 2014
3.	Workshop on value education	Ramakrishna mission, kadapa	7 th - 9 th Feb - 2014
4.	Mining impact of environmental aspects	Dept. of Chemistry, Loyola degree college, pulivendula, kadapa dist.	25 th - 26 th Oct - 2014
5.	A Study on MHD flow over a vertical stretching surface with heat source on effect of het and mass transfer, chemical reaction.	Dept. of Mathematics, K.S.N. Degree college for women, Ananthapuram.	5 th & 6 th Jan - 2015
6.	Finite element analysis of non-darcy convective heat transfer through a porous medium in a circular annulus in the presence of heat sources.	Dept. of Humanities & Sciences Annamacharya institute of Technology and sciences, Rajampeta, Kadapa dist.	10 th -11 th Jan - 2015
7.	Workshop on Human values & Professional ethics	SKR & SKR Government college of women, Kadapa	24 th Jan - 2015
8.	Workshop on trend in computer applications / changing paradigms in management studies	Dept. of Computer applications & Management studies, Madanapalle institute of technology & Science, Madanapalle, Chittor dist.	31 st Jan - 2015
9.	Empowering women through participation in socio-economic decision making	Dept. of Economics, MALD - Government degree college, Gadwal, Mahaboobnagar dist.	20 th - 21 st Feb -2015
10.	Workshop on Research methologies and LATEX	Dept. of Mathematics, Madanapalle institute of technology & Science, Madanapalle, Chittor dist.	21 st -22 nd Feb - 2015
11.	Impact of mining on environmental aspects	Dept. of Environment studies, Government degree college, Rajempeta, Kadapa dist.	6 th - 7 th March - 2015
12.	Numerical studies on MHD flows with viscous dissipation and the boundary layer flow over a stretching plate in porous medium	Dept. of Applied Mathematics, Padmavathi mahila visvavidyalayam, tirupathi, in association with journal of scientific and engineering research.	12 th & 13 th Mar- 2015
13.	Two dimensional heat and mass transfer effects of an unsteady MHD free convective chemical flow past an infinite vertical plate with constant	Dept. of Applied Mathematics, Yogi Vemana University, Kadapa	18 th & 19 th Mar - 2015

	suction.		
14.	Biodiversity and Globalization	Dept. of History, Govt. Degree College, Nagari, Chittoor dist.	25 th – 26 th July-2015
15.	Teacher assessment and evaluation	SVGM Govt. Degree College, Kalyandurg.	6 th - 7 th Aug - 2015
16.	Combined convective heat transfer flow through a porous medium in a vertical-----	Dept. of Mathematics, S.K. University, Ananthapuram.	28 th – 29 th Nov-2015
17.	Environmental pollution and its effects	Dept. of Physics, S.K. University, Ananthapuram.	11 th & 12 th Mar-2016
18.	Impact or Globalization on Indian women	Dept. of Political Science, Govt. College for Men, Kurnool dist.	24 th & 25 th Sep - 2016
19.	Deconductivity and seebeck coefficient of nonstoichiometric MgCuZn ferrites	Govt. College for Men(A),Kadapa	10 th Mar - 2017
20.	Environment and climate change	Dept. of Physics, S.K. University, Ananthapuram.	10 th -11 th Mar-2017
21.	Importance of ethical values in higher education	Govt. Degree College, Rayachoti, Kadapa dist.	25 th Mar - 2017
22.	Combined convective heat transfer flow through a porous medium in a vertical channel with periodic permeability and viscous dissipation	Dept. of Mathematics, Osmania University, Hyderabad.	30 th & 31 st July - 2017
23.	Radiation effect on unsteady MHD convective heat transfer through a horizontal wavy channel	Dept. of Mathematics, S.V. University, Tirupathi.	29 th Aug - 2017
24.	Air, Water and Soil pollution	Dept. of Physics, S.K. University, Ananthapuram.	27 th – 28 th Jan - 2018
25.	Participated	Workshop on Mathematics and its applications, Dept. of Mathematics, S.V.U. Tirupahi.	8 th to 10 th Nov - 2018
26.	Environmental science	Emerging trends in chemical, material and environmental sciences, Dept. of Chemistry, Govt. Degree & P.G. College, Puttur, Chittoor dist.	27 th Sep - 2019
27.	Participated	Prospects of Tourism industry and economic development in india, Dept. of History, Political science, Economics, D.K. Govt. College for women(A), Nellore.	02-01-2020

28.	Participated	Siddhartha Institute of engineering and technology, two day online workshop on "Learning Management System", Ibrahimpatnam.	8 th & 9 th July,2020
29.	Participated	Two day online workshop on "Applications of Mathematical sciences" By Dept. of Applied Mathematics & Statistics, Krishna University, Nuzvid.	10 th & 11 th Sep-2020
30.	Participated	Six days virtual "Science Academics" Lecture workshop of Linear transformations, Matrices and their applications, by Dept. of Mathematics, S.V.U. college of science, S.V.U. Tirupathi.	02/11/2020 to 07/11/2020
31.	Participated	Food and livelihood security among scheduled tribe people in india and sustainable management practices , Gdc, puttur.	11 th to 13 th February, 2022
32.	Participated	Online Workshop on NEP-2020, Organized by UGC-HRDC, Osmania University, Hyderabad.	13-12-2022 to 15-12-2022
33.	Role of kasturiba Gandhi in freedom movement	The role of women in Telugu Literature during the freedom movement,Organized by Gdc, Puttur.	21 st and 22 nd October 2022
34	Participated	One day National level workshop on data analytical insights using computational mathematics and statistical techniques	9 th Febrauary, 2023
35.	Pollution control and sustainable environment	organized by Gdc men, kadapa.	24 th and 25 th February,2023
36.	Participated	National level workshop on Projects selection in mathematics: ideas and tips.	12 th April, 2023
37.	Simulations for Maxwell fluid flow part a non-linearly convective heat transfer heated exponentially stretching sheet with nano particle and heat sources	National conference on Emerging trends of mathematics in engineering and applied sciences,S.V.U, Tirupati	22 th & 23 th December, 2023
37.	Participated	A two-day international webinar on Research methodology in environmental sciences	30-01-2024 to 31-01-2024.
38.	The Role of Mathematics Education In Society	One day National seminar on " Emerging trends in Mathematical education: Pedagogical Innovations". Department of Mathematics, N.T.R. Degree & PG College of Women(A), Mahabubnagar, Telangana.	27-07-2024.

39.	Effect of Inclined magnetic field on non-darcy convective heat and mass transfer flow of chemically reacting nanofluid past a vertical wavy with non-uniform heat sources.	National conference on Mathematics and its applications-2024, S.V.U, Tirupati	22 th & 23 th December, 2024
40.	Effect on Double dispersion, activation energy, variable viscosity on MHD convective heat and mass transfer flow of nanofluid in a vertical channel with asymmetric slips and Newtonian cooling	National conference on Mathematics and its applications-2025, S.V.U, Tirupat	22 th & 24 th December, 2025
State Level			
1.	Participation	Government college Gazetted teacher's association, A.P.	13 th 2014
2.	Participation	Government college Gazetted teacher's association, A.P.	10 th Oct-2015
3.	Workshop on virtual on "HANDS ON TRAINING"	Govt. College for Men, Kadapa	15 th Mar - 2018
4.	Participation	Two day online workshop on "Learning Management system an introduction to Google classroom	1 st & 2 nd Aug-2020