

Dr. G. Shantha

Assistant Professor of Mathematics



Education Qualifications: Doctor of Philosophy (Mathematics)
Specialization: Applied Mathematics

Membership of Professional Bodies:

1. Life Member of ISTAM.
2. Life Member of APTSMS.
3. Life member of Professor Meenakshi Sundaram Memorial Society.

Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** Mathematics-I(M-I), Mathematics-II(M-II), Mathematics-III (M-III), Mathematics-IV(M-I(M-I)), Mathematical Methods(MM), Numerical Methods(NM), Probability and Statistics(P&S) , Probability and Statistics & Complex Analysis(PS&CV), Computer Oriented Statistical methods(COSM), Laplace Transforms, Numerical Methods and Complex Variables(LTNMCV)

Publications:

Papers published

1. Free convection flow of a conducting couple stress fluid in a porous medium: a state space approach. International Journal of Numerical Methods for Heat & Fluid Flow. Vol.20,2010 Emerald group publishing Limited.
2. Unsteady Generalized Couette Flow of a Couple stress Fluid between two parallel plates. Indian Journal of Applied Research volume 4 issue 12 December 2014.
3. Unsteady flow of a fluid particle suspension between two parallel plates suddenly set in motion with same speed. ARPN Journal of Engineering and Applied Sciences. Vol 7, No. 11 November 2012.
4. Unsteady free convection flow of a couple stress fluid – A state Space Approach . International Journal of Engineering Science and Innovative Technology. Vol 3, Issue 1, Jan 2014
5. CFD Analysis of Turbulent Flow in an Axisymmetric Duct with side injection. Mukta Shabd Journal. Vol IX, Issue VI, June 2020. (ISSN No 2347- 3150)
6. Analysis of some unsteady problems in Fluid Mechanics. Journal of Critical Reviews .Vol 7, Issue 16, 2020 (ISSN -2394-5125)
7. Me Too Movement Sentiment Analysis . International Journal of

ADDRESS:

- E- Block -Room No 605A

JNTUH ID:

70150405-151210

EMAIL: gshantha_maths@mgit.ac.in

DATE OF JOINING:

08-07-2006

EXPERIENCE - 27 Years

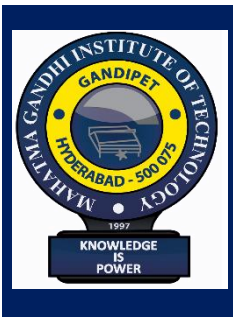
- Teaching -27
- Research -21
- Industry -0
- Others –

SUMMARY:

- Publications - 8
- Conferences - 7

EVENTS:

- Organized -0
- Attended - 25



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Innovative Technology and Exploring Engineering .Vol 9 Issue 9 April 2020 (ISSN 2278-3075).

8. Analysys on Determination of Leakage flow and Separation Force of Gas Turbine Engine .Vol 11 No.03 (2020) ,1041-1046.Turkish Journal of Computer and Mathematics Education.

Papers Presented

1. Unsteady Poissuelle flow of a Couplstress Fluid between two parallel plates. International conference on Mathematical Sciences and Applications APTSMS August 9-11,2019. organized by GITAM
2. Glow of an incompressible Couple stress fluid between two parallel plates suddenly set in motion with the same speed. 20th International Conference of Internationl Academy of Physical Sciences .CONIAPS XX July 14-16 2017 organized by Faculty of Science OU.
3. Unsteady free convection of a Couplestress fluid –A State Space Approach. 27-29 Jan 2012 Organized by NIT Warangal.
4. Unsteady Couette flow of a Couplestress fluid .30-31 July 2017 organized by Dept. of Mathematics ,OU.
5. Unsteady free convection flow of a dusty fluid bounded by an infinite vertical plate-A State Space Approach. 3-4 April 2014 REMMT-2014 MGIT.
6. Applications of State Space Approach to Fluid Dynamic Problems 3-4 April 2014 MT-2014 MGIT.
7. Unsteady Couette Flow of a Fluid Particle Suspension. May 31,2016 organized by Dept. of Mathematics ,OU.

Events Attended

FDPs/STTPs:

1. Two Week Faculty Development Programme “*Research Advances in Mathematics and its Applications*”, 2 to 14 August , 2021, Department of Mathematics, Sathyabama Institute of Science and Technology,Chennai.
2. One Week Faculty DevelopmentProgramme “Recent Trends in Applications of Mathematics (RTAM)” , 12th - 17th July 2021, Department of Freshman Engineering, Chadalawada Ramanamma Engineering College (Autonomous), Tirupati.
3. 9-Day National Level Online Faculty Development Program“**Foregrounding the Spectrum of Character Building in Modern Human Life**”, 25 June - 03 July, 2021, Department of Humanities & Sciences, Balaji Institute Of Technology & Science



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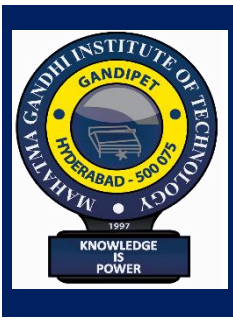
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4. One Week Faculty Development Programme “**Relevance of Mathematics to Core Engineering Sciences**” ,12 to 16 October 2020, Mahatma Gandhi Institute of Technology, Hyderabad .
5. One Week Faculty Development Programme “**Applied Numerical methods**”, 28-Sep-20 to 3-Oct-2020 Department of Mathematics & Statistics,University College for Women,Koti,Hyderabad
6. One Week AICTE Training And Learning (ATAL) Academy **Online FDP "Emotional Intelligence"** 21 to 25 September 2020, St. Martin's Engineering College.
7. One Week AICTE Training And Learning (ATAL) Academy **Online FDP "ROAD - Response Effectiveness, Organising Self, Attitudinal Shift, Decision Making"** , 7 to 11 September 2020,University College of Engineering, Osmania University.
8. Attended AICTE five-day FDP on “**Universal Human Values in Education**” organized by AICTE from 24 to 28 August 2020.
9. One Week OnlineInternational Faculty Development Programme“ **Role of Applied Sciences in Industry & Engineering “ (IFDPRASIE-2020)**” , 2nd to 6th August 2020, Department of Mathematics, University College of Engineering, Osmania University, Hyderabad, in association with APTSMS.
10. One Week Online FacultyDevelopment Program “**Orienting Applications & Conceptualized Aspects of Sciences & Humanities**”, 21 to 25 July, 2020. Dept. of Humanities & Sciences, Balaji Institute of Technology & Science
11. One Week National Level Online Faculty Development Program“**Essential Mathematics for Machine Learning**”, 27 to 31, July 2020, Department of Humanities and Sciences, VNR Vignana Jyothi Institute of Engineering & Technology,Bachupally,
12. One Week International Online Faculty Development Program “**Applications of Mathematics in Science and Engineering**” ,7th to 11th July, 2020 , Department of Basic Science (Mathematics), Vishnu Institute ofTechnology, Bhimavaram
13. One WeekFacultyDevelopment Program“**Role of Machine Learning & Data Sciences in AI**”28th June to 2nd July 2020, Department of CSE and M&H,MGIT,HYD
14. One WeekFacultyDevelopment Program“Multidisciplinary Approach towards Emerging trends in Science & Humanities [MASH 2020]”, 1st to 5th June 2020, Ramachandra College of Engineering
15. One Week Online Faculty Development Program ”**TAXONOMY OF SOFTWARES RELATED TO MATHEMATICAL SCIENCES**”, 9th to 14th June 2020, Gokaraju Rangaraju Institute of Engineering and Technology.



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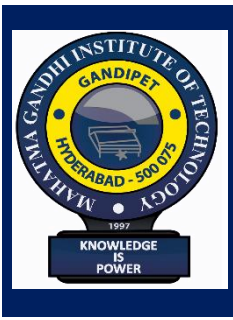
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16. One week national level FDP on “**Machine Learning through Mathematical Modeling Supported with Python R-Soft**” organized by Department of M & H , MGIT in collaboration with Electronics & ICT ACADEMY NIT Warangal during 2-7 July 2018
17. Two-Day workshop on “**Adoption of Technology in Teaching in Teaching and Learning**” organized by Department of IT, MGIT during 5-6 July 2017.
18. A UGC sponsored short term course on “**e-Learning and ICT for Teaching and Learning**” at JNTUH, Hyderabad from 06-03-2017 to 11-03-2017.
19. One-Week FDP on “**Intellectual Property Rights**” organized jointly by Department of Bio-Technology, Mechanical Engineering and School of Management Studies, CBIT during 19-24 December 2016.
20. One-week FDP on “**Mathematical Modeling and Simulation Techniques**” organized by Department of Mathematics and Humanities, CBIT, Hyderabad from 5th May to 10th May 2014.
21. Two-week FDP in “**Entrepreneurship**” organized by Entrepreneurship Development Cell (funded by AICTE), MGIT from 22nd April to 4th May 2013.
22. One week in house training program on “Effective Teaching Methodology” from 24 to 29 November, 2002,CBIT

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Two-Day workshop on “**Adoption of Technology in Teaching in Teaching and Learning**” organized by Department of IT, MGIT during 5-6 July 2017.
2. Two-day work shop “**Socio-effectiveness of women- WOW FACTOR**” organized by Ashna Women-Welfare Cell , MGIT during 8th and 10th March 2014.
3. One-day work shop on “**EXPLORING INTERNET**” organized by MGIT on 18th Feb 2014.
4. One-day workshop on “**Mathematical Modeling and its applications for Engineers and Scientists**” organized by JNTUH on 30th August 2013.
5. Two day National Workshop on “Application of Mathematics in Various Branches of Engineering and Bio-Sciences” organized by Department of M&H, CBIT, Hyderabad on 13th&14th August 2013.
6. **Refresher Course** / Osmania University / 3 Weeks 4 July to 25 July 2012 / ASC, UGC
7. Two-day national level workshop on “**Women in Science and Technology – Societal Impact**” organized by Women’s cell of CBIT and supported by IEEE, ISTE, IIPC TEQIP at CBIT during 8th& 9th March 2013.



8. One day orientation Program on revised B.Tech 1st year Mathematics syllabus, 19 september 2009, Dept. of Mathematics, College of Engineering – Hyderabad, JNTUH .
9. **Orientation Course** / University of Hyderabad /4 Weeks, Jan 21 to Feb 18 2008/ ASC,UGC

Online Certifications:

1. Mathematical Methods and its Applications, 27 Jan 2020 to 17 Apr 2020 12 Weeks
2. Vector Calculus for Engineers, 4 Weeks, Coursera
3. Introduction to Ordinary Differential Equations , 4 Weeks, Course 2021

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