



Dr. G. Bal Reddy

Assistant Professor of Mathematics



Education Qualifications: Doctor of Philosophy
Specialization: Applied Mathematics

ADDRESS:

- A – Block -Room No-116

JNTUH ID:

44150406-105452

EMAIL:

gbalreddy_maths@mgit.ac.in

DATE OF JOINING:

19-08-2013

EXPERIENCE - 12 Years

- Teaching - 12
- Research -8
- Industry -
- Others –

SUMMARY:

- Publications - 11
- Conferences - 1
- Patents –
- Books –
- Honors/Awards -

EVENTS:

- Organized - 1
- Attended - 35

LET'S MEET ON SOCIAL:

- <https://www.facebook.com/mgithyderabad>
- <https://www.instagram.com/mgithyderabad>
- <https://www.linkedin.com/company/mgithyderabad>
- <https://twitter.com/MGITHyderabad>

Membership of Professional Bodies:

1. Life Member of APSMS.

Responsibilities Held at Institution Level:

1. Member in Career Guidance Cell from 10-02-2021 to tilldate.

Responsibilities Held at Department Level:

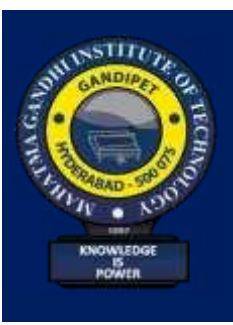
1. Member, Atal Ranking of Institutions on Innovation Achievements(ARIIA)

Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** Mathematics-1, Mathematics-II, Mathematics-III, Mathematics-IV, Computer Oriented Statistical Methods, Computational Statistics, Mathematical Statistical Foundation, Probability & Complex variables, Laplace Transform Numerical Methods and complex numbers

Publications:

1. A paper entitled “Advanced technique for Mass Transfer Analysis of MHD Nanofluids Flow with Radioactive Heat Effects in the Presence of Spherical Au-Metallic Nanoparticles” is communicated in *Journal of emerging Technology and Innovative Research Vol. 9, Issue 3,(March-2022), pp.111-119*
2. A paper entitled “Hybrid technique for MHD free convection flow and heat transfer of Nano-fluid” is communicated in *International Journal Advanced Research Journal in Science, Engineering and Technology, Vol. 8, Issue 6,(June-2021), pp.711-717*
3. A paper entitled “Influence of MHD for energy generation of peristaltic Flow of Nano Fluid” is communicated in *International Journal of engineering devolopment and research, Vol. 9, Issue 3, (September-2021), pp. 20-25*
4. A paper entitled “In the Presence of Thermal Radiation, MHD free Convective Visco-elastic Fluid Flow Past an Infinite Vertical Plate” is communicated in *International Journal Advanced Research Journal in Science, Engineering and Technology, Vol. 8, Issue 6,(June-2021), pp.292-301*
5. A paper entitled “Efficient utilization of chemical reaction for energy Activation on MHD flow of Prandtl Nano liquid” is communicated in *International Journal of Creative Research Thoughts, Vol. 9, Issue 6,(June-2021), pp.864-869*
6. A paper entitled “Numerical Study on MHD stagnation point flow of nanofluid towards a stretching surface with Radiation effect” is communicated in *International Journal of Advanced Science and Technology, Vol.127(June-2019), pp.362-374*
7. A paper entitled “Numerical Solution of MHD Mixed Convective Boundary Layer Flow of a nanofluid through a Porous Medium due to an Exponentially Stretching Sheet with Magnetic field effect” is communicated in *International Journal of Applied Engineering Research, Vol.14, Issue 9, pp.2074-2083*
8. A paper entitled “Implicit finite Difference Solutions of Radiation effects on MHD fluid flow of a Nanofluid past an exponential stretching sheet embedded in a porous medium” is published in *Journal of Advance Research Dynamical & Control Systems, Vol.07, Special Issue 13 (December 2018), pp.761-775.*

**ADDRESS:**

- A – Block -Room No-116

JNTUH ID:

44150406-105452

EMAIL:

gbalreddy_maths@mgit.ac.in

DATE OF JOINING:

19-08-2013

EXPERIENCE - 12 Years

- Teaching - 12
- Research -8
- Industry -
- Others –

SUMMARY:

- Publications - 11
- Conferences - 1
- Patents –
- Books –
- Honors/Awards -

EVENTS:

- Organized - 1
- Attended - 35

LET'S MEET ON SOCIAL:

- <https://www.facebook.com/mgithyderabad>
- <https://www.instagram.com/mgithyderabad>
- <https://www.linkedin.com/company/mgithyderabad>
- <https://twitter.com/MGITHyderabad>

9. A paper entitled “Free Convection Boundary layerflow a inclined flat plate Embedded in a Porous medium filled with a Nanofluid” is published in *International Journal of Research*, Vol.7, Issue **08**(August 2018), pp. 1188-1195.

10. A paper entitled “Keller box solution of Magnetohydrodynamic boundary layer flow of Nanofluid over an exponentially stretching permeable sheet” is published in *International Journal of Mechanical Engineering and Technology*, Vol.9, Issue **10**, (October 2018), pp.1646-1656.

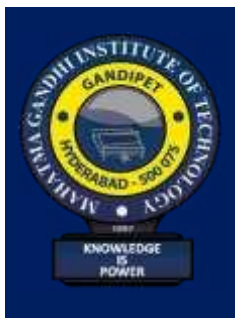
11. A paper entitled “Dufour and Soret effect on MHD convective fluid flow in a vertical porous plate with suction” is published in *International Journal of Engineering Research and Applications*, Vol.7, Issue 7, (Part-6) July 2017), pp.05-13.

Events Organized:**FDPs/STTPs:**

1. Organised one week FDP on “The Role of Linear Algebra in Machine Learning, Artificial Intelligence & Data Science at MGIT, from 29 November 2021 to 03 December 2021.

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:**Events****Attended****FDPs/STTPs:**

1. Attended a webinar on “Stability analysis of non linear dynamical systems modelled in state space” on 17th july 2021 Organized by Dept. of Mathematics, KPRIET.
2. Attended a national webinar on “Myth, Literature and Hermeneutics” on 17th july 2021 Organized by IQAC & the PG English Association, Nesamony memorial christian college, marathanandam, kanyakumari, Tamilnadu.
3. Attended six day Faculty development programme on “Mathematics and Statistics in Emerging Field” from 05th to 10th july 2021 Organized by Dept. of Mathematics, KPRIET.
4. Attended Two day National Level Online Seminar on “Quality Improvement Via Accreditation and Ranking” from 28th to 29th June 2021 Organized by IQAC Cell Bapatla Engineering College.
5. Attended National Webinar on “Emerging Research Areas in Language, Literature and Culture” on 28th June 2021 organized by Kisan Veer Mahavidhalaya, Wai.
6. Attended National Level One Week FDP on “Research Methodology “from 26th April to 1st May 2021, Organized by Amar SewaMandals Kamala Nehru Mahavidhlaya, Nagpur.
7. Attended International Webinar/FDP on “Relevance of Mathematics to core Engineering Sciences” from 12th to 16th October 2020, Organized by MGIT.
8. Attended National Level Webinar on “Noble Thoughts of Multi Variable Functions in Engineering and Sciences” on 9th Aug 2020, organized by Dept. of Humanities and Sciences, Sidhartha Institute of Engineering and Technology.
9. Attended A Three Day National Level FDP on “Fluid Dynamics and its Applications in Engineering Sciences” from 7th to 9th Aug 2020, Organized by Dept. of humanities and Sciences, CVR College of Engineering.
10. Attended International FDP on “Role of Applied Sciences in Industry and Engineering” from 2nd to 6th Aug 2020, Organised by Dept. of Mathematics, University College of Engineering, Osmania University.
11. Attended Five Day FDP on “Applications of Mathematics in Engineering” from 27th to 31st July 2020, Organised by Dept. of Mathematics, KPRIET.
12. Attended Two day Online FDP on “Applications of Mathematics in Engineering” from 3rd to 4th July 2020, organized by MGIT.
13. Attended One Week FDP on “Role of Machine learning & Data Sciences in AI” from 28th June to 2nd July 2020, Organised by Dept. of CSE and M&H, MGIT.

**ADDRESS:**

- A – Block -Room No-116

JNTUH ID:

44150406-105452

EMAIL:**DATE OF JOININ**

19-08-2013

EXPERIENCE - 12 Years

- Teaching - 12
- Research -8
- Industry -
- Others –

SUMMARY:

- Publications - 11
- Conferences - 1
- Patents –
- Books –
- Honors/Awards -

EVENTS:

- Organized - 1
- Attended - 35

LET'S MEET ON SOCIAL:

- <https://www.facebook.com/mgithyderabad>
- <https://www.instagram.com/mgithyderabad>
- <https://www.linkedin.com/company/mgithyderabad>
- <https://twitter.com/MGITHyderabad>

14. Attended a webinar on “Stability analysis of non linear dynamical systems modelled in state space” on 17th July 2021 Organized by Dept. of Mathematics, KPRIET
15. Attended a national webinar on “Myth, Literature and Hermeneutics” on 17th July 2021 Organized by IQAC & the PG English Association, Nesamony memorial christian college, marathanandam, kanyakumari, Tamilnadu.
16. Attended six day Faculty development programme on “Mathematics and Statistics in Emerging Field” from 05th to 10th July 2021 Organized by Dept. of Mathematics, KPRIET.
17. Attended Two day National Level Online Seminar on “Quality Improvement Via Accreditation and Ranking” from 28th to 29th June 2021 Organized by IQAC Cell Bapatla Engineering College.
18. Attended National Webinar on “Emerging Research Areas in Language, Literature and Culture” on 28th June 2021 organized by Kisan Veer Mahavidhalaya, Wai.
19. Attended National Level One Week FDP on “Research Methodology “from 26th April to 1st May 2021, Organized by Amar SewaMandals Kamala Nehru Mahavidhlaya, Nagpur.
20. Attended International Webinar/FDP on “Relevance of Mathematics to core Engineering Sciences” from 12th to 16th October 2020, Organized by MGIT.
21. Attended National Level Webinar on “Noble Thoughts of Multi Variable Functions in Engineering and Sciences” on 9th Aug 2020, organized by Dept. of Humanities and Sciences, Sidhartha Institute of Engineering and Technology.
22. Attended A Three Day National Level FDP on “Fluid Dynamics and its Applications in Engineering Sciences” from 7th to 9th Aug 2020, Organized by Dept. of humanities and Sciences, CVR College of Engineering.
23. Attended International FDP on “Role of Applied Sciences in Industry and Engineering” from 2nd to 6th Aug 2020, Organised by Dept. of Mathematics, University College of Engineering, Osmania University.
24. Attended Five Day FDP on “Applications of Mathematics in Engineering” from 27th to 31st July 2020, Organised by Dept. of Mathematics, KPRIET.
25. Attended Two day Online FDP on “Applications of Mathematics in Engineering” from 3rd to 4th July 2020, organized by MGIT.
26. Attended One Week FDP on “Role of Machine learning & Data Sciences in AI” from 28th June to 2nd July 2020, Organised by Dept. of CSE and M&H, MGIT.
27. Attended a Webinar titled “ State of the art Research in Power Systems and Drafting Research Article” on 27th May 2020, Organised by Dept of EEE, Vagdevi Engineering College, Warangal.
28. Attended 3 day webinar series on “Recent Trade and Research Opportunities in 5G & Beyond, from 25th to 27th May 2020, Organised by Dept. of ECE, SRM Institute of Science and Technology.
29. Attended Three day FDP webinar titled” Hadoop and Machine Learning” from 18th to 20th May 2020, Organized by Dept. of CSE, Malla Reddy Institute of Technology.
30. Attended one day National Workshop on “Relevance of Vedic Mathematics to Real World Computing” on 24th September 2019, Organized by Depts. Of M&H, CSE & IT, MGIT
31. Attended One Day Seminar on “Air Pollution and its Impact on Safety and Health at Work” on 30th March 2019, Organized by Institute of Engineers, Hyderabad.
32. Attended One Day National Level Seminar on “Teacher as Performer” on 21st December 2018, organized by Dept of M&H, MGIT.
33. Attended One Week National Level FDP on “Machine learning Through Mathematical modeling Supported with Python and R-soft” from 2nd July to 7th July 2018, Organized by NIT Warangal & MGIT.
34. Attended a Training Programme for the Teachers of Engineering Colleges from 19th to 24th November 2012, Organized by JNTUH(CEJ)
35. Attended Three-day workshop on “Numerical Solutions to Mathematical Models using FOSS Tools” from 3^d to 5th January 2013, Organized by Dept of Mechanical Engineering, JNTUH.