

CURRICULUM VITAE

DR.B. LAKSHMANNA

M.Sc., B.Ed., Ph.D.

S/o B.Hanumanthu

Plot.No. 54

Tungabhadra Colony

Sunkesula Road

Kurnool-518004.

Andhra Pradeah.,India.

Email: laxman7553@gmail.com

URL link: <https://sites.google.com/view/drblakshman>



• Career Objective

To utilize my knowledge, teaching aptitude, potentialities and experience to optimum efficiency and work with unflinching determination in imparting the best kind of conceptual education for the students thereby aiming at the overall development of the students and also the progress of the institution for which I serve.

• Educational Qualifications

Qualification	Year	Institution/College/University	Percentage
Ph.D.	2023	Rayalaseema University	-
Title of Thesis: “Some MHD Convective flows through Porous medium”			
M. Sc Mathematics	April 2007	S.K University Anantapur.	72%
B. Ed	Nov 2012	TAGORE college of Education Kodumur	65.35%
B. Sc(M.P.C)	APRIL 2003	Govt.Degree college for men Kurnool	71.76%
Inter(M.P.C)	APRIL 2000	Coles memorial Jr. college, Kurnool	64.53%
S.S.C	April 1998	Z.P.H School,Laddagigiri	72.35%

• Technical skills

Computer Proficiency :

Application Software : MS – Office, Exel , Power Point.

• Teaching Experience (Having Total 18 Years of Teaching Experience)

- Worked as an Assistant Professor of Mathematics in A.V.R & S.V.R Engineering college, Nandyal from Aug. 2007-Sep.2009.
- Worked as an Assistant Professor of Mathematics in Dr.K.V. Subba Reddy institute of Technology, Kurnool from Oct.2009-Dec.2015
- Worked as an Associate Professor of Mathematics and HOD, Department of H & B.S from Jan2016-May 2017.
- Working as a Lecturer in Mathematics at St. Joseph's Degree College, Kurnool.

• Research Experience

Publications/Journals:

1. "Heat and Mass transfer on MHD flow of an incompressible fluid past an infinite vertical porous plate, *Journal of Ultra scientist of physical sciences*, vol.29, no.9, pp. 234-237(2017), UGC Approved list S.no.44588, DOI: <http://dx.doi.org/10.22147/jusps-B/290903>. ISSN: 2319-8052.
2. "Hall effects on MHD flow of second grade fluid through porous medium with oscillatory suction", *International Journal of Applied Engineering Research*, vol.13, no.7, pp.4782-4790(2018), UGC Approved list S.no.64529, <https://dx.doi.org/10.37622/IJAER/13.7.2018.4782-4790>, ISSN: 0973-4562.
3. "Heat transfer on MHD rotating non-Newtonian fluid flow through parallel plate porous channel", *International Journal of Applied Engineering Research*, vol.13, no.10, pp.8200-8204(2018), UGC Approved list S.no.64529. <https://dx.doi.org/10.37622/IJAER/13.10.2018.8200-8204> ISSN: 0973-4562.
4. "Unsteady MHD Convective flow of an Incompressible viscous fluid through porous medium over a vertical plate", *Annals of Pure and Applied Mathematics*, vol.16, no.2, pp.451-460, UGC Approved list S.no.48890, <http://dx.doi.org/10.22457/apam.v16n2a23>. ISSN: 2279-087X (P), 2279-0888(online)(2018).
5. "Heat and Mass transfer Flow on Magneto Hydro Dynamic Convective flow through Porous medium between Infinite vertical plate with Soret and Joules dissipation". *Journal of algebraic statistics (ESCI)*, Volume 13, No. 1, 2022, p. 990 – 998, ISSN: 1309-3452, <https://publishoa.com>.
6. " A Numerical Analysis Between Copper and Aluminum Oxide Nano Particles in a Water based Nano Fluid" *Power System Technology*, Volume 48, No.3(2024), pp: 569-577, ISSN: 1000-3673 DOI: <https://powertechjournal.com/index.php/journal/article/view/847>

7. "Radiation Effects on Unsteady MHD Convective Flow of an Incompressible Viscous Fluid Via an Impulsively Initiated Vertical Plate through Porous Medium", *Power System Technology*, Volume 48, No.4(2024), pp: 569-577, ISSN: 1000-3673

DOI: <https://powertechjournal.com/index.php/journal/article/view/1441>

8. "Innovative Mathematical Model for Predicting Magnetic Field Effects on Magnetohydrodynamics Flow in Complex Geometries". *Patent and Design Journal-"Intellectual Property India"*, Published date: 01-09-2023.

<https://search.ipindia.gov.in/DynamicUtility/Journal/patent>

9. Published Book Titled: "**Linear Algebra and Calculus for Engineering**" Dr. M. Harikrushna Dr. A. Shareef Mr. G. Bala Krishnam Raju Dr. B. Lakshmana. (2025). Scientific International Publishing House (SIPH), Date: September 16, 2025. **Indexed in:** Open AIRE

DOI: <https://doi.org/10.5281/zenodo.17129684>

Academic Achievements

1. Participated and completed Faculty Development Programme on **QT-2: "Foundations of Quantum Technologies"** Organized by Electronic and ICT Academy (EICT), MNIT Jaipur endorsed by AICTE/UGC from **September 19 to October 16, 2025. This certificate will be recognized for API Score (3-Credits) under Career Advancement scheme (CAS).**
2. Participated and completed Faculty Development Programme on QT-3 and **QT-4: "Basic Quantum Programming and Technologies Lab"** Jointly Organized by Electronic and ICT Academy (EICT), MNIT Jaipur endorsed by AICTE/UGC from **October 27 to November 29, 2025. This certificate will be recognized for API Score (3-Credits) under Career Advancement scheme (CAS).**

Conferences/Participations/Presentations

Paper Presentations:

1. Presented a paper titled "Heat and Mass Transfer on MHD Convective flow through Porous medium past an Infinite vertical plate with Soret and Joules dissipation" at the *International Conference on Applications of Fluid Dynamics*, organized by Vellore Institute of Technology, Tamilnadu, **December 13-15, 2018, FT2_100**
2. Presented a paper titled "Heat and Mass Transfer on MHD Convective flow through Porous medium past an Infinite vertical plate with Soret and Joules dissipation" at the *National Level Conference on Recent Trends in Pure and Applied Mathematics (NCRIPAM)* organized by the

Rashtriya Sanskrit Vidyapeetha, Tirupati, 6th- 8th Dec.2019

3. Presented a paper titled “ MHD fluid flow of an incompressible Viscous fluid through Porous medium on a vertical plate” at the 3rd National Conference on “ Contemporary Trends in Science and Humanities”(NCCTSH) organized by Santhiram Engineering College, Nandyal, 13th June 2020. ISBN:978-81-945588,0-4.

Seminars / Workshops/FDP

Participations:

1. Participated in FDP on “ *Differential Equations and its Applications*” Organized by St.Joseph’s Degree College, Kurnool on 14-July-2018.
2. Participated in FDP on “ *Effective usage of ICT Using MS-office & Internet* organized by St.Joseph’s Degree College, Kurnool from 18th February to 2nd March 2019 .
3. Participated in *Five days Online Workshop on “ Mathematical Sciences for CSIR-NET/SET/GATE”* Organized by the Department of Mathematics, Sree Narayana Guru Colege, K.G.CHAVADI, COIMBAORE, From May 11-15, 2020.
4. Participated in *Two day National level FDP program on “How to become a Teacher 2.0”* conducted by the North Storm academy on 13th and 14th may 2020.
5. Participated in the *International Webinar on “ How to Write Research Paper”* Organized by the Department of Mathematics & Physics , KLE Society’s Science and Commerce College, Navi Mumbai, Maharashtra on 14th may2020.
6. Participated in E-Quiz on “*Research Methodology and Statistical Analysis*” Conducted by the St.Joseph’s P.G College, HYD, Telangana on 17th May 2020.
7. Participated and Completed a *Three Days National Level Online Course on “ Operation Research”* Organized by the Department of Mathematics ,Senthikumara Nadar College(A), Virudhunagar from 18th May 2020 to 20th May2020 with passing Score of 88%.
8. Participated in a *Webinar on “ Applications of Linear Algebra in Computer Science”* Organized by the Bhavan’s Vivekananda College(A), Secunderabad, 23rd may 2020.
9. Participated in a *Webinar on “Employability Skills in Curriculum Design”* Conducted by Audis Ankara College of Engineering & Tech. (Autonomous) held on April 26, 2020.
10. Participated in *Two Days International Webinar on “Fluid dynamics and its Applications”* Organized by Government First Grade College, Vijayanagara, Bengaluru, Karnataka on 28th and 29th May 2020.
11. Participated in *FDP on “NTAUGC NET& SET Paper I-Numerical Aptitude Training”* Organized by the Department of Mathematics, Parvathy’s Arts & Science College, Dindigul, Tamilnadu from 01.06.2020 to 06.06.2020.
12. Participated in the *Two days National Online Workshop on “ PYTHON PROGRAMMING-A MATHEMATICAL SKILL ENHANCEMENT WORKSHOP* From 1st June 2020 to 2nd June 2020, Organized by Department of Mathematics, St. Anne’s Degree College for Women,

Halasuru, Bangalore.

13. Participated in *National Level FDP on “Exploring Facts in Writing a Research Article”* Organized by Department of Computer Science , St.Joseph’s Degree College , Kurnool on 10th June 2020.
14. Participated in *Two day International Webinar on “ Recent Advances in Mathematics & Covid-19”* Organized by the Department of Mathematics and Statistics & IQAC, St.Joseph’s College for Women(A), Visakhapatnam, Andhra Pradesh in association with UASMS &SMSMS on 15th & 16th June 2020.
15. Participated in an *International Webinar on “ Emerging Trends in Graph theory”* Organized by P.G & Research Department of Mathematics, Sacred Heart College (A), Tirupattur from 14th to 16th June 2020.
16. Participated in the *National Webinar on “Topological Indices-worm’s Eye view”* Organized by PG & Research Department of Mathematics, St.Joseph’s College of Arts and Science(A) on 17.06.2020.
17. Participated in the *National Webinar on “Fuzzy Applications”* Organized by PG & Research Department of Mathematics, St.Joseph’s College of Arts and Science(A) on 18.06.2020.
18. Participated in an *International Webinar on “Laplace Transform and its Applications”* on 22.06.2020 Organized by the Department of H &S (Engineering Mathematics), Malla Reddy Institute of Technology and Science, Secunderabad.
19. Participated in the National Level Webinar on *“Modelling and Simulation of Fluid Flows using Partial Differential Equations”* Organized by Department of Humanities & Sciences, CMR Engineering College, Hyderabad, held on 25th June 2020.
20. Participated in the National Webinar on *“Mathematical Applications on Differential Equations”* Organized by Department of Mathematics, Sir C R Reddy College, Eluru, AP, on 26th June 2020.
21. Participated in One-week Faculty Development Program on *“Importance of Mathematics in Science and Technology”* Organized by the Department of Mathematics, GMRIT from 25th -29th June 2020.
22. Participated in one day National Webinar on *“Coloring of graphs”* Organized by Tirumala Engineering College, Jonnalagadda, Narasaraopet, AP on 26th June 2020.
23. Participated in a Two week online FDP on *“Current Trends in Applications of Mathematics”* Organized by the Department of Mathematics, School of Sciences and Humanities, VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, Tamil Nadu, from 21-09-2022 to 04-10-2022.
24. National e-Conference *“Implementation of NEP in Higher Education Institutions”* Organized by IQAC, St.Pious X Degree and P.G College for Women, Nacharam, HYD on 14th and 15th October 2022.

Subjects Taught:

Engineering (UG)	Degree (UG)	PG
1. Mathematics-I	1. Differential Equations	1. Number Theory
2. Mathematics-II	2. Solid Geometry	2. Functional Analysis
3. Mathematics-III	3. Ananalytical Skills	3. Mathematical
4. Mathematics-IV 5.	4. Group Theory	Methods
P. Probability & Statistics	5. Real Analysis	4. Complex Analysis-I
	6. Linear Algebra	5. Complex Analysis-II
	7. Laplace Transforms	6. Probability & Statistics
	8. Linear Programming	7. Operation Research
		8. Numerical Analysis

Personal Details:

Name : B. LAKSHAMANNA

Father's Name : B. HANUMANTHU

Date of Birth : 02-07-1981

Age : 41Years

Marital Status : Married

Languages Known : English, & Telugu.

(To Speak, Write & Read)

Address for Communication : Plot. No. 54
Tungabhadra Colony,
Sunkesula Road
Near Gandhi Towers
Kurnool – 518004.

• Declaration

I hereby declare that all the information mentioned above is true to my knowledge.

(Mr.B. LAKSHAMANNA)