

CURRICULUM VITAE

Dr. MD. ABDUL RAWOOF SAYEED

Associate Professor (Mathematics)

And Coordinator of Department of
Mathematics Muffakham Jah College of
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Google Scholar link: <https://scholar.google.com/citations?user=bKw2K8sAAAAJ&hl=en>

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Web of Science: <https://publons.com/wos-op/dashboard/summary>

Technical Skills

1. Good Technical writing skills in English.
2. Documentation Tex (Latex, MACTEX, bibtex, Beamer) and Microsoft Utilities.
3. Software Tool MAPLE, MATLAB, Origin, Tecplot.
4. Operating Systems Windows.

Fields of Research Interest

Nonlinear Dynamical systems, Magneto hydrodynamics, convective models.

Educational Degrees

- Ph.D** Department of Mathematics, Rayalaseema University, Kurnool,
Andhra Pradesh **2018**.
Thesis: Mean Flow Effects and Heatline Visualisation in Rayleigh-Benard
and Thermohaline Convection.
- M.Sc** Department of Mathematics, Osmania University, Hyderabad, **1996**, 72.5%

Present Position

Associate Professor: Department of Mathematics, Muffakham Jah College of Engineering and Technology, Bangara Hills, Road No #3, Hyderabad, (August 2001 to till date)

List of Publications

1. Y. Rameshwar, **M.A. Rawoof Sayeed**, S G Tagare, D. Laroze, *Nonlinear magnetoconvection*, proceedings of 55th congress of ISTAM 2010 (pp 113-120).
2. Y. Rameshwar, **M.A. Rawoof Sayeed**, H.P. Rani, D. Laroze, *Mean flow effects in magneto-convection*, Int.J. Heat and Mass Transfer 65 (2013) (pp. 885-862).
3. N Md Jubair Basha, Humera Sabhia and **Md Abdul Rawoof Sayeed**, *An Approach to generate Reusable design from legacy components and Reuse Levels of different environments*, IJCET, Vol.4, No.6 (2014) (pp. 4234-4237).
4. Y. Rameshwar, **M.A. Rawoof Sayeed**, H.P. Rani, D. Laroze, *Finite amplitude cellular convection under the influence of a vertical magnetic field*, Int. J. Heat and Mass Transfer, vol. 114, pp. 559-577, 2017.
5. Y. Rameshwar, G. Srinivas, D. Laroze, **M.A. Rawoof Sayeed**, H.P. Rani, *Convective instabilities in binary mixture $3\text{He} - 4\text{He}$ in porous media*, Chinese Journal of Physics 77 (2022) (pp. 773-803).
6. **Md. Abdul Rawoof Sayeed**, and Mohammed Majid Ali, *Entropy Generation during Cellular Magnetoconvection*, Engineering Letters, vol. 30, no.2, 2022 (pp. 392-398).
7. **Md. Abdul Rawoof Sayeed**, and Y. Rameshwar, *Finite Amplitude Cellular Thermohaline Convection*, ASME-J. Heat Transfer, 144 (11), (2022), 112602 (pp. 1-17). doi: <https://doi.org/10.1115/1.4055346>.
8. Mohd. Abdul Muqet , **Md. Abdul Rawoof Sayeed** , Quazi Mateenuddin Hameeduddin , Sayyada Hajera Begum , Mohammed Umair Quadri , Hanegaonkar Mohammed Awais, *GSM-Enabled Home Automation and Security System with Real-Time Monitoring*, IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES, vol. 11(9), 2022, pp. 5661-5666.
9. **Md. Abdul Rawoof Sayeed**, and Hakeemuddin Ahmed, *Heat Transfer During Cellular Magnetoconvection in Liquid Gallium*, Commun. Nonlinear Anal. 12 (2) (2024), 27–41.
10. Sk. Nuslin, **D. A. Rawoof**, P. L. Pallavi, D. Padma, D. Naheed, and M. L. Gundagani, *RADIATION INFLUENCE ON TRANSIENT MHD CONVECTION OVER A PERMEABLE SURFACE WITH THERMAL DIFFUSION*, Theoretical and Mathematical Physics, 223(3): 915–925 (2025)

Conference Presentation

1. Presented a paper on “*NONLINEAR MAGNETOCONVECTION*” in 55th congress of ISTAM 2010 held during December 18-21, 2010 organized by department of Mathematics, NIT, Hamirpur (HP), India.
2. Presented a paper on “*HEAT TRANSFER VISUALIZATION IN LIQUID GALLIUM UNDER INFLUENCE OF VERTICAL MAGNETIC FIELD*” in national Urdu science congress-2021 on “*Impact of technology on multidisciplinary scientific research*” held during July 14-15, 2021 organized by school of science, MANUU, Hyderabad, Telangana, India.

Guest Lecture delivered

1. Delivered guest lecture on “Nonlinear Dynamics and Finite Amplitude Cellular Thermohaline Convection” at Anwarul Uloom college, on 15 March 2019.
2. Delivered guest lecture on “Data Analysis and computer Application” on 04-03-2021 in the Winter School: Mathematics, Computer science & information technology organized by the UGC- Human Resource, Development Centre, Kannur University, Kerala.

Subjects Taught

Bachelor of Engineering (B.E):

1. Engineering Mathematics-I (Algebra, differential calculus, Integral Calculus and vector calculus)
2. Engineering Mathematics-II (Differential Equation, Laplace transforms, Integral transforms)
3. Engineering Mathematics-III (Complex Analysis, Numerical Methods)
4. Probability and Statistics
5. Mathematics-IV (Numerical Methods and Partial differential equation)

Masters of Engineering (M.E):

1. Mathematical Foundation for computer science

NPTEL Courses completed

1. Completed faculty development program of NPTEL-AICTE on “*Transform Calculus and its Application in Differential Equations*” in Jan-Apr-2019(12 weeks).
2. Completed faculty development of program NPTEL-AICTE on “*Engineering Statistics*” in Jan-Apr-2024(12 weeks).
3. Completed faculty development of program NPTEL-AICTE on “*Descriptive Statistics with R Software*” in Aug-Oct-2024(8 weeks).
4. Completed faculty development of program NPTEL-AICTE on “*Introduction to probability and Statistics*” in Jan-Feb-2025(4 weeks).

Conference and Workshops Attended

- Attended one refresher course at University of Hyderabad of three weeks in 2007
- Attended one Orientation course at Osmania University of four weeks in 2008
- Participated in a two week ISTE workshop on “Computer Programming” conducted by IIT Bombay in 2014
- Participated in a two week ISTE workshop on “Introduction to Design Of Algorithms” conducted by IIT Kharagpur in 2015
- Participated in a two week AICTE approved FDP (FDP101x) course on “Foundation Programme in ICT for Education” conducted by IIT Bombay in 2017
- Participated in a two week AICTE approved FDP (FDP201x) course on “Pedagogy for online and Blended Teaching-Learning Processes” conducted by IIT Bombay in 2017.
- Participated in one month under the scheme of GIAN sponsored by MHRD on “Nonlinear Dynamics of Classical Magnetic Systems” conducted by Department of Mathematics and Mechanical Engineering, Osmania University in 2017.
- Participated in “Online NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by MMTTC, Osmania University, Hyderabad, Telangana from 23.05.2024 to 31.05.2024.
- Participated in the AICTE Recognized Faculty Development Programme on “Data Science using Python” conducted by National Institute of Technical Teachers Training & Research, NITTTR, Chandigarh organised by Computer Science and Engineering Department from 25/11/2024 to 29/11/2024 (One Week) at Muffakham Jah College Of Engineering and Technology, Hyderabad, Telangana.
- Participated in one week international faculty development program on “Generative AI: Innovation and application for social impact” organised by Computer Science and Engineering Department from 06/01/2025 to 10/01/2025) at MJCET, Hyderabad, Telangana.

Professional Services

- Worked as **In charge of examination** of Osmania University for two years from 2011-2013
- **Member IQAC cell for NAAC accreditation**
- Conducted a guest lecture on “Solving Mathematical Problems using MATLAB” on Wednesday, 15th March, 2017 by Prof. Ashok Kumar Pandey, IIT, Hyderabad
- **Coordinator of Mathematics section**, Muffakham Jah college of Engineering and Technology since January 2018
- **Incharge SEDEP cell (Secured Electronic disbursement of Examination Papers)**, Muffakham Jah college of Engineering and Technology since November 2022.

- **Reviewer** for international Journal, “**Journal of Physics Communications**” IOP Science.
- Conducted competitive examination like EAMCET, LAW CET, GATE etc
- Member of monitoring committee for execution of the process of NBA Accreditation.
- Compiles question paper for various written examinations of B.E/B.Tech/M.Tech of Osmania University and others universities and autonomous colleges.
- Member of anti-ragging committee.

Professional Membership

- ISTE Life Member