

STAFF PROFILE (28.10.2025)

Name : Mr. N. Mohamedazarudeen
Designation : Senior Assistant Professor
Department : Mathematics
Email : azarmathematician@gmail.com
Mobile No. : 9514734037



1. Academic Qualification

Degree	Year	Subject	Institution	University
TNSET	2017	Mathematical Sciences	-	Mother Teresa Women's University
M.Phil.	2015	Mathematics	Jamal Mohamed College	Bharathidasan University
PGDCA	2015-2016	Computer Applications	College of Software Society, Computer Education.	CSS Educational Trust
PG	2014	Mathematics	Jamal Mohamed College	Bharathidasan University
B. Ed	2012	Mathematics	Jamal Mohamed College	Tamil Nadu Teachers Education university
UG	2011	Mathematics	Jamal Mohamed College	Bharathidasan University

2. Work Experience

S. No.	Positions Held	Name of the Institute	From	To
1.	Assistant Professor	C. Abdul Hakeem College	18.06.2018	18.06.2023
2.	Senior Assistant Professor	C. Abdul Hakeem College	18.06.2023	Till date

3. Professional Recognition/Award/Prize/Certificate/Fellowship received

S. No.	Name of the Award	Awarding Agency	Year
1.	Outstanding Teacher Award 2022	Research India Foundation (GOVT. Of INDIA approved)	2022
2.	Acted as “ Student Faculty ” in M. Phil	Jamal Mohamed College	2015
3.	1 st Prize in Inter-collegiate competition in Mathematics	Nehru Memorial College	2014
4.	1 st Prize in “MATH SPARK 14”	Holy Cross College	2014
5.	3 rd Prize in “MATH ZEST 2014”	Bishop Heber College	2014

STAFF PROFILE (28.10.2025)

6.	Proficiency in Deeniyath Education	Jamal Mohamed College	2012
7.	Won Certificate of Merit First Mark in “Ordinary Differential Equation”	Autonomous Examination, Jamal Mohamed College	2012
8.	Won Certificate of Merit First Mark in “Value Education”	Autonomous Examination, Jamal Mohamed College	2010
9.	Won Certificate of Merit Second Mark in “Basic Operations Research”	Autonomous Examination, Jamal Mohamed College	2010
10.	Won Certificate of Merit Second Mark in “Language - IV”	Autonomous Examination, Jamal Mohamed College	2010
11.	Won Certificate of Merit First Mark in “English - IV”	Autonomous Examination, Jamal Mohamed College	2009
12.	Won Certificate of Merit First Mark in “Language - III”	Autonomous Examination, Jamal Mohamed College	2009
13.	Won Certificate of Merit First Class in “Deeniyath Education”	Autonomous Examination, Jamal Mohamed College	2008 -2009
14.	Won Certificate of Merit Second Mark in “Sequences and Series”	Autonomous Examination, Jamal Mohamed College	2009
15.	Won Certificate of Merit Second Mark in “Language - II”	Autonomous Examination, Jamal Mohamed College	2009

4. Professional Development Programme Attended (FDP/FIP/RC/OP/PDP – More than 3 Days)

S. No.	Name of the Programme	Name of the Organizer	Duration With Date
1.	Orientation Programme	UGC - HRDC, Bharathidasan University, Trichy.	21 days (12.11.2019 to 02.12.2019)
2.	Online FDP on “The Data Science using R and Geogebra”	Jamal Mohamed College, Trichy.	4 days (11.05.20 to 14.05.20)
3.	Online Refresher Course in Mathematics	Teaching Learning Centre, Ramanujan College, University of Delhi.	15 days (16.03.2021 to 30.03.2021)
4.	Online International FDP on “New Epoch in Software Learning”	PG and Research Department of Mathematics, Holy Cross College (Autonomous), Trichy.	5 days (16.08.2021 to 20.08.2021)
5.	Online Interdisciplinary FDP on “Creation and development of MOOCs while managing online classes”	Mahatma Hansraj Faculty Development Centre, University of Delhi.	7 days (24.08.2021 to 31.08.2021)

STAFF PROFILE (28.10.2025)

6.	Online International FDP on “Current Trends in Applications of Mathematics”	School of Sciences and Humanities, Vel Tech, Chennai.	14 days (21.09.2022 to 04.10.2022)
7.	Refresher Course in Mathematics (Theme: Python & Vedic Mathematics)	Teaching Learning Centre, Ramanujan College, University of Delhi.	15 days (13.07.2023 to 26.07.2023)
8.	Refresher Course in Mathematics and Statistics	UGC – HRDC, Bharathiar University, Coimbatore.	14 days (17.08.2023 to 30.08.2023)
9.	Two – Week Online FDP on “Advanced Pedagogy”	Maulana Azad National Urdu University.	14 days (9.10.2023 to 21.10.2023)
10.	FDP on “Graphs & Algorithms: A Complexity Perspective”	VIT, Chennai	5 days (9.12.2024 to 13.12.2024)
11.	Refresher Course in Mathematics & Computational Sciences	UGC – MMTTC, Savitribai Phule Pune University, Pune.	14 days (15.02.2025 to 28.02.2025)

4.1 Membership of Professional Bodies

Name of the Professional Body	Member Type	Year
Board Of Studies	Member	2018 – till date
Mathematics Association	Member	2018 – till date
Academy of Discrete Mathematics and Applications (ADMA)	Lifetime Member (No.682)	09.03.2025 to till date

STAFF PROFILE (28.10.2025)

4.2 Membership in Committee(s)

Name of the Committee	Designation	Year
NAAC Preparation Committee	Member (Criterion – I)	2018 – till date
Internal Quality Assurance Cell (IQAC)	Member	June, 2024 – till date
Internal Compliance Committee	Member	Sept, 2024 – till date
Stock Verification Committee (Dept. of Physics)	Member	2024 – till date
Attendance	Registrar	16.06.2025 – till date

5. Research & Development

5.1 List of Projects (Title, Funding agency, Amount Generated)

Year	Title of the Project	Funding Agencies	Amount	Status
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5.2 List of Papers published (Name, Title, Journal Name, Volume, Year, Page No) (Link if any)

Year	Name of the Authors	Title of the Paper	Vol., Year, Page No	Link if any
2021	Dr. A. Prasanna and Mr. N. Mohamedazarudeen	D – Eccentric Domination in Graphs	Volume 20, Issue 4, Feb 2021, Pages 541 -548 @ 2021 Milli Publications	https://www.mililink.com/upload/article/342563332a_ams_vol_204_feb_2021_a7_p541-548_a._prasanna_and_n._mohamedazarudeen.pdf

STAFF PROFILE (28.10.2025)

2022	Dr. A. Prasanna and Mr. N. Mohamedazarudeen	Detour D – Eccentric Domination in Graphs	Volume 13, No. 2,2022, p. 3218 – 3225, ISSN: 1309 – 3452.	_____
2024	A Prasanna and N.Mohamedazarudeen	Connected D – Eccentric Domination in Graphs	Vol 17 Issue 36:3776 – 3780.	https://indjst.org/articles/connected-eccentric-domination-in-graphs
2024	A. Prasanna, N. Mohamedazarudeen and S. Muthupandiyan	Complementary nil D – Eccentric Domination in Graphs	Vol 20 Issue 7:867 – 874	https://doi.org/10.62441/nanontp.v20i7.3988
2024	A. Prasanna, N. Mohamedazarudeen and S. Muthupandiyan	Inverse D – Eccentric Domination in Graphs	Vol 20 Issue 7:882 – 889	https://doi.org/10.62441/nanontp.v20i7.3990
2024	A. Prasanna, N. Mohamedazarudeen and S. Muthupandiyan	Isolate D – Eccentric Domination in Graphs	Vol 20 Issue 7:1396 – 1403	https://doi.org/10.62441/nanontp.v20i7.4129

5.3 Detail of patents.

Year	Title of the Patent	Status

5.4 List of Books/Reports/Chapters/General articles etc. (Author, Chapter Title, Book Title, Publisher, Year, ISBN/ISSN) (Link if any)

Year	Name of the Authors	Title of the Book/Chapter	Publisher	ISBN/ISSN

STAFF PROFILE (28.10.2025)

5.5 List of Paper Presentations in National/International Seminar/Conference (Paper Title, Seminar/Conference, Place, Date)

Year	Title of the Paper	Name of the Seminar/Conference	Place	Date
2013	Mechanism of the Heart using Graph Theory	State Level Student Seminar	Thiagarajar College, Madurai	13.09.2013
2020	D – Eccentric Domination in Graphs	ICOMAC 2020	Trichy	19.01.2020
2022	Detour D – Eccentric Domination in Graphs	ICCAM 2022	Chennai	03.03.2022

5.6 List of Invited Talk

Year	Title of the Talk	Nature of the Event	Place	Date
2020	Clean India – Digital India “ Swachhata – MoHUA APP”	NSS Programme	CAHC, Melvisharm	26.12.2020
2024	Nutrition and Healthy Food Ratio	NSS Programme	Arcot	18.02.2024
2025	Environmental Change and its Mathematical Calculation	NSS Programme	Arcot	08.02.2025

5.7 VIDWAN ID: 223325 & <https://vidwan.inflibnet.ac.in/profile/223325>

5.8 Research Identification* (IF ANY)

Orcid ID: https://orcid.org/0009-0005-1073-5013	Researcher ID: rid89697 and azarmathematician
YouTube Link: https://www.youtube.com/@AzarAcademy	Google Scholar ID: eJLaiGAAAAAJ
Website: https://azarudeen-portfolio.vercel.app/	
Academic Photo Collection with student activities: https://drive.google.com/drive/folders/1Dm40MG2BO5gyd6w3r6mMF7agB3kpNyHo	

STAFF PROFILE (28.10.2025)

6.1. Swayam Courses and FDP (Less than 3 days)

- **Refresher** Training for **Child Rights Club** Members held on 23.10.2024.
- Successfully Completed 8-weeks course the NPTEL Online FDP and Certification Course “**Introduction to Rings and Fields**” Organized by NPTEL – AICTE in the Swayam Portal on Jan - Mar 2021.
- Successfully Completed 8-weeks course the NPTEL Online FDP and Certification Course “**Graph Theory**” Organized by NPTEL – AICTE in the Swayam Portal on Jan - Mar 2021.
- Successfully Completed 8-weeks course the NPTEL Online FDP and Certification Course “**Introduction to Abstract Group Theory**” Organized by NPTEL – AICTE in the Swayam Portal on Aug - Oct 2021.
- Participated FDP on “**Online Teaching Via Google LMS During COVID -19 Pandemic**” organized by the IQAC of C. Abdul Hakeem College. (28.05.20 to 30.05.20)
- Participated online FDP on “Descriptive Statistics through R – Programming” conducted by KPRIET, Coimbatore on (26.05.2020 to 28.05.2020).
- Participated online FDP “**Project Proposals for funding Agencies (UGC STRIDE & ICSSR IMPRESS): Preparation and submission protocol**” organized by Patrician College Research Committee on 16.05.20 to 17.05.20.

6.2. Participation in National and International Conference

- Participated in the International Conference on “**Mathematical Methods and Computation (ICOMAC 2014 & 2015)**” Organized by Jamal Mohamed College, Trichy.
- Participated in the International Virtual Conference on “**Application of Mathematics**” Organized by Government Arts College, Trichy.
- One day **Symposium** on “**Mathematical Analysis**” at National College, Trichy.

6.3. Participation in Workshops and Short Term Training Programmes (STTP)

- Participated and Qualified the exam of one week STTP on “ **Advanced Research Methodology**” organized by REST Society for Research International RSRI, Krishnagiri.
- Participated in the National **workshop** on “**Analysis and Algebra**” from 26th February to 2nd March, 2018 at St. Joseph’s College, Trichy.
- Participated in International **Workshop** on “**Matrix Analytic Methods in Stochastic Models**” organized by Ramanujan Centre for higher mathematics, Alagappa University, Karaikudi during 07th - 09th January, 2013.
- Participated and a five – days online **Hands – On workshop** to “ **Mastering Python**

STAFF PROFILE (28.10.2025)

Programming with Mathematics” organized by Indian Mathematics Professor Association and Infinity Research & Development Institute, Coimbatore.

- Participated in Orientation Programme on “**Free E – Resources**” organized by Dept. of library. Jamal Mohamed College, Trichy.
- Participated online **Teacher’s enrichment workshop “Algebra, Number Theory and Graph Theory”** organized by dept. of mathematics, Amity University, Haryana (4.07.22 to 16.07.22)
- Participated and a four – days **workshop** on “**LATEX and SPSS**” organized by Dept. of Mathematics, Jamal Mohamed College, Trichy.

6.4 Participation in Seminar and Webinar

- Presented a Paper in “**State Level Students Seminar**” at Thiagarajar College , Madurai held on 13th september 2014.
- Participated in the National seminar on “**Mathematical Modeling, Approximate Analytical and Numerical Methods**” in K.L.N college of engineering at Madurai during 27th & 28th December, 2012.
- Participated in the one day seminar on “**Pure & Applied Mathematics**” at Alagappa university, Karaikudi.
- Attended one day National seminar on “**Discrete Mathematics and Its Applications**” at Jamal Mohamed College, Trichy.
- Attended one day seminar on “**Nano Science and Technology**” Organized By Planetarium at Trichy.
- Participated in a webinar on “ **Graph Theoretical Concepts In Python Network “ X” ”** organized by KSG College of Arts and Science, Coimbatore.
- Participated in a webinar on “ Introduction to Graphs from Algebraic Structures” organized by G.T.N. Arts College (Autonomous), Dindigal on 22.05.20.

6.5 Participation in E - Quizzes

- Participated in “**COVID -19 awareness programme**” and quiz competition organized by the institution’s innovation council of Jamal Mohamed College on 13.04.2020.
- Participated and got **95%** marks, E - Quiz on “**Artificial Intelligence in Fuzzy Logic and Bayesian Networks**” conducted by Hindustan Arts & Science college, Coimbatore.(9.05.20)
- Participated and got **96%** marks, E - Quiz on “ **Information Resources and Research Methodology**” organized by Islamiah College (Autonomous), Vaniyambadi on 16.05.20.
- Participated E - Quiz on “**Math Ninjas – 20**” hosted by A.V.C college of engineering, Mayiladudurai on (5.11.20)

STAFF PROFILE (28.10.2025)

6.5. E – Content

S.No	Topic	Link
1	Canonical Form and Standard Form	https://youtu.be/yidc7mkjT20?si=f5Ez5Dq3UwZPH1nc
2	Primal and Dual Problems (Symmetrical Dual)	https://youtu.be/GGGW_zFLv9A?si=jh1GqBl3Esbj1Ro
3	Primal and Dual Problems (Asymmetrical Dual)	https://youtu.be/ZpHhUqQ1bvY?si=foxuYk58J7KZKe4H
4	Simplex Method and algorithm	https://youtu.be/INDRGUszvLo?si=g8VgfHJ6RmJhukgV
5	Dual Simplex Method	https://youtu.be/NGxLW6dwZAc?si=cEjMebe6znF0T0Sj
6	Gomory's Pure ILPP	https://youtu.be/tz0jGIVN12g?si=YQHb651swHG69lFT
7	Gomory's Mixed ILPP	https://youtu.be/Iv0ve8zn40o?si=Kcd2fgxvezadZjhv
8	Revised Simplex Method Algorithm	https://youtu.be/-ggocWI32hI?si=ID8R-xsvEZalDwd1
9	Wolfe's Modified Simplex Method (NLPP)	https://youtu.be/0fB5TcZISII?si=-_RPuYZX4z-wq2O0
10	Group Theory	https://youtu.be/7xbGRtix3oo?si=prUt_ME8aurW5TJJ
11	Vogel's Approximation Method (VAM)	https://youtu.be/1ejOPDKD1TM?si=wOrHdr-UnF_Z69zn
12	Newton's Method	https://www.youtube.com/watch?v=zZuGsoGtRGk&t=2123s
13	Diminish and Increase Roots	https://www.youtube.com/watch?v=sZZyldGntdQ&t=1619s
14	Reciprocal Equations (Part -1)	https://www.youtube.com/watch?v=KD0Nh2TjrwM&t=11s
15	Reciprocal Equations (Part -2)	https://www.youtube.com/watch?v=rcxKIHe91xw&t=21s

6.6 Seminar/Webinar/conference/ workshop organized

S. No	Name of the Seminar/ Conference/ Webinar/workshop	International/National/State	Date
1.	Online webinar on Applications of Graph Theory and Communication Technology	National	11.10.2021 – 12.10.2021
2.	Online webinar on Machine Learning	International	13.02.2023
3.	A one – day Mass Reading on International Mathematics Day	International	14.03.2024
4.	An Introduction to Mathematical Modelling	International	1.10.2024
5.	Bridge to calculus	National	10.02.2025
6.	World Literacy Day	International	08.09.2025

STAFF PROFILE (28.10.2025)

6.7. Research Experience

Research Stage	Title of Work / Thesis	College/University where the work was carried out
M.Phil	A study on Different Types of Alliances in Graphs	Jamal Mohamed College/ Bharathidasan University, Trichy

6.8. Administrative responsibilities

- File In charge of (a) Awards – Students (b) List of M. Phil. Pursuing / Awarded (c) Professional Development Programs attended by Staff at department level.
- Invigilation and Evaluation duties in CIAs and End Semester Examinations.
- Member of the PG admission committee. (2019 -2020 and 2022 – 2023).
- Invigilation duties in TNPSC Group – IV examination and Judiciary examination conducted by college (2022 -2023).
- Online and offline examiner in UG **central valuation** assigned by the Thiruvalluvar University from 2022 to till date.
- The duty of **PRESIDING OFFICER** in parliamentary constituency appointed by **election commission** of india (**ACNO/PSNO:/39/42**) (**2024**).
- Pledge and Committed “**Stay at home, Save Lives Pledge**” 21 days lockdown rules organized by Ministry of electronics and Information Technology, Govt. of India.
- **Mark Sheet** and student certificate in charge in department Level from June 2024 to till date.
- TNPSC conducted exam The **ACCOUNT TEST FOR EXECUTIVE OFFICER (AEO) – Code No: 152** for Assistant Professor **Cleared (Reg. no. 241232510)** on 24/12/2024 FN and 29/12/2024 AN (TNPSC e – Bulletin No: DTD057)
- Invigilation duties in **TNPSC Group – IV** examination on 12.07.2025 and **Group – II** examination on 28.09.2025 conducted by C. Abdul Hakeem college.

6.9. Student related Co-curricular Activities

- **Mentor** for II B.Sc. Mathematics Students (2018 -2019).
- **Mentor** for I M.Sc. Mathematics Students (2019 -2022).
- **Mentor** for I B.Sc. Mathematics Students (2022 -2023).
- **Mentor** for II B.Sc. Mathematics Students (2023 -2024).
- **Mentor** for III B.Sc. Mathematics Students (2024 -2025).
- Course Instructor of **certificate course** in Mathematics for Competitive Examinations (2019 - 2023)
- **Cultural Program** organizer assigned by college (2022 -2023).

STAFF PROFILE (28.10.2025)

- Course Instructor of **certificate course** in Mathematical Aptitude and Reasoning (2023 -24)
- The efficient stewardship of Mr. N. mohamedazarudeen rendered yeoman service through **Out – reach programme** in P.U. High school, Ranipet Dist on 20.02.2024.
- Taken aptitude sections in **TNPSC** Coaching classes organized by C. Abdul Hakeem College (2022 -2024).
- **Internship In charge** for third B. Sc mathematics students in the year 2024-2025.
- **CIA TEST Time table** in charge in department level in the year 2024-2025.
- **Industrial Visit Organizer & in charge** of UG and PG mathematics students to visited the places **IITM research park and BM planetarium** held on 3.10.2024.
- Course Instructor of **certificate course** in Mathematical Aptitude and Reasoning in the year 2025 -2026.

6.10. Teaching Experience (as on 18.06.2018):

UG and PG : 07 Years 5 Months

6.11. Areas of Specialization : Graph Theory

6.12. Languages known : Tamil and English

6.13. Subjects Taught :

Undergraduate	:	1. Graph Theory 2. C programming 3. Fundamental of Applied Mathematics 4. Discrete Mathematics 5. Mathematics For Competitive Examinations 6. Linear Programming 7. Allied Mathematics I & II 8. Statistics & Numerical Methods in Allied
Postgraduate	:	1. Algebraic Structures 2. Advanced Algebra 3. Mathematical Programming (OR)