

## RESUME



**Name** : Mr. Daniel P  
**Designation** : Assistant Professor  
**Department** : Mathematics  
**Address** : Department of Mathematics,  
St. Xavier's College (Autonomous),  
Palayamkottai.

### PERSONAL DETAILS

Qualification : M.Sc., NET., GATE.  
Designation : Assistant Professor  
Department : Mathematics  
Year of Birth : 1997  
Religion : Christian  
Nationality : Indian  
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ACADEMIC QUALIFICATIONS				
Degree	Specialization	College	University	Year of Passing
Ph.D.	Mathematics	National Institute of Technology (NIT), Trichy.	National Institute of Technology (NIT)	In Progress
GATE - JRF	Mathematics (MA)	Indian Institute of Technology (IIT) Bombay	Indian Institute of Technology (IIT) Bombay	2021
NET	Mathematical Sciences	CSIR – UGC	University Grants Commission (UGC)	2021
M.Sc.	Mathematics	Pondicherry Central University	Pondicherry Central University, Puducherry.	2019
B. Sc.	Mathematics	St. Joseph's College	Bharathidasan University, Trichy, Tamil Nadu.	2017
H.S.C	Mathematics, Physics, Chemistry, Biology	St. Joseph's College Higher Secondary School	TN State Board	2014
S.S.L.C	Secondary School State Syllabus	St. Joseph's College Higher Secondary School	TN State Board	2012

ACADEMIC IDENTITY	
*VIDWAN ID	<a href="https://vidwan.inflibnet.ac.in/profile/428640">https://vidwan.inflibnet.ac.in/profile/428640</a>
*ORCID ID	<a href="https://orcid.org/0009-0001-2181-6362">https://orcid.org/0009-0001-2181-6362</a>
*SCOPUS ID	<a href="https://www.scopus.com/authid/detail.uri?authorId=59946888700">https://www.scopus.com/authid/detail.uri?authorId=59946888700</a>
*RESEARCHER ID/PUBLONS ID	<a href="https://www.researchgate.net/profile/Daniel-Paulraj">https://www.researchgate.net/profile/Daniel-Paulraj</a>
GOOGLE SCHOLAR LINK	<a href="https://scholar.google.com/citations?hl=en&amp;user=yCONoIQAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=yCONoIQAAAAJ</a>
TEACHING EXPERIENCE	
Year of Appointment	2023
Year of Retirement	2057
Teaching Experience	UG : 3 Years
	PG : 2 Years
Research	4 Years

Courses / Classes Taught	Name of The Institutions	Duration		Years
		From	To	
<b>B. Sc.,</b> 1. Differential Calculus, 2. Analytical Geometry, 3. Modern Analysis, 4. Differential Equations and Fourier Series, 5. Linear Programming and Game Theory, 6. Allied III -Mathematical Statistics – I, 7. Allied: Mathematics – I for Chemistry, 8. Allied: Mathematics – II for Chemistry, 9. Allied: Mathematics – I for Physics, 10. Allied: Mathematics – II for Physics, 11. Numerical Ability –I (NME), 12. Mathematics for Competitive Examinations-I 13. Human Rights and Social Analysis, 14. Environmental Studies.	St. Xavier's College (Autonomous)	2023	Till Date	
<b>M. Sc.,</b> 1. Introduction of Fuzzy Sets and Their Applications 2. Statistics 3. Computational Mathematics using Sage Math 4. Object Oriented Programming with Java Practical 5. Training for CSIR/NET/GATE Examinations – I 6. Problem Solving in Algebra and Linear Algebra	St. Xavier's College (Autonomous)	2023	Till Date	
<b>B. Tech.,</b> MAIR11 - Matrices and Calculus	NIT - Trichy	2022	2023	

AWARDS RECEIVED	
1.	Qualified the <b>National Eligibility Test (NET) in Mathematical Sciences</b> , conducted by the University Grants Commission (UGC), Government of India, in the year 2022, demonstrating eligibility for lectureship and Junior Research Fellowship (JRF).
2.	Qualified the <b>National Eligibility Test (NET) in Mathematical Sciences</b> in the year 2021, securing eligibility for academic and research positions across India.
3.	Awarded the <b>Maulana Azad National Fellowship (MANF)</b> in 2021, a prestigious fellowship scheme offered by the Ministry of Minority Affairs and UGC for pursuing full-time research in higher education.
4.	Qualified the <b>Graduate Aptitude Test in Engineering (GATE) - JRF</b> in 2021, administered by IITs, and secured eligibility for Junior Research Fellowship in mathematical sciences.
5.	Recognized for <b>Outstanding Performance</b> in the 2024 Refresher Course on "ICT Enabled Teaching and Learning" conducted by St. Xavier's College (Autonomous), Palayamkottai.
6.	Recipient of the <b>Merit-cum-Means Fellowship</b> from Pondicherry University for outstanding academic performance and financial need during the postgraduate programme from 2017 to 2019
7.	Conferred the <b>University Gold Medal</b> for securing the first rank in the B.Sc. Mathematics programme (2014–2017) under Bharathidasan University, Tiruchirappalli, Tamil Nadu.
8.	Awarded the <b>UGC Postgraduate Merit Fellowship for University Rank Holders</b> for the academic period 2017–2019, a national-level recognition granted by the University Grants Commission to top-performing undergraduates entering postgraduate study.
9.	Received a <b>Certificate of 100% Attendance</b> during the entire undergraduate study (2014–2017) and consistency in academic engagement.

10.	Presented with a <b>Special Award and Certificate for Extensive Use of the College Library</b> during undergraduate study.
11.	Secured <b>First Prize in Mathematical Modelling</b> at the State-Level Intercollegiate Competition held at Gandhigram Rural Institute, Dindigul, during the academic year 2017–2018, demonstrating creative application of mathematical principles in real-world problem-solving.
12.	Secured <b>First Prize in Mathematical Modelling</b> again at the State-Level Intercollegiate Competition organized by Gandhigram Rural Institute, Dindigul, during 2018–2019, affirming consistent excellence in mathematical innovation.
13.	Conferred <b>Fr. Saldanha Medal</b> by St. Joseph's College (Autonomous) for academic distinction during the first year of B.Sc. Mathematics (2014–2015).
14.	Received <b>Fr. De Fernando Medal</b> from St. Joseph's College (Autonomous) for outstanding academic performance in the first year of B.Sc. Mathematics (2014–2015).
15.	Awarded <b>Thiru Rengasamy Naicker Medal</b> by St. Joseph's College (Autonomous) for securing the highest marks in the second year of B.Sc. Mathematics (2015–2016).
16.	Honored with <b>Devan Bahadur N. Swaminathan Iyer Medal</b> by St. Joseph's College (Autonomous) for academic excellence in the second year of B.Sc. Mathematics (2015–2016).
17.	Conferred <b>Fr. Pruvot Medal</b> by St. Joseph's College (Autonomous) in recognition of academic excellence during the third year of B.Sc. Mathematics (2016–2017).
18.	Received <b>Thiru Ramachandran Medal</b> from St. Joseph's College (Autonomous) for securing top academic performance in the final year of B.Sc. Mathematics (2016–2017).
19.	Awarded the <b>Rev. Fr. Ehrhart SJ Medal</b> for securing the <b>first rank</b> across all six semesters of B.Sc. Mathematics (2014–2017), reflecting consistent top academic performance throughout the undergraduate programme.
20.	Conferred the <b>University Gold Medal</b> by Bharathidasan University, along with the Undergraduate <b>Rank Holder</b> Certificate, for securing the overall first rank in B.Sc. Mathematics (2014–2017).

21.	Received the <b>Mr. R. A. Gopalaswami Cash Award</b> in recognition of academic excellence during the undergraduate programme.
22.	Recipient of the <b>Rev. Dr. Sebastian SJ Endowment Cash Award</b> , presented for outstanding academic performance in B.Sc. Mathematics.
23.	Conferred the <b>Vashakuma Trust Cash Award</b> , in memory of <b>Shri V. N. Vasudeva Rao</b> , for meritorious performance and ranking in B.Sc. Mathematics.

ADMINISTRATIVE EXPERIENCE			
S.No	DESIGNATION	INSTITUTIONS	YEAR

MEMBERSHIP		
S.No	Designation	Particulars

ORIENTATION/REFRESHER COURSES/FACULTY DEVELOPMENT PROGRAMME UNDER GONE()			
S.No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1.	Orientation Programme Workshop on Aspects of Higher Education	IQAC, St. Xavier's College	15.06.2023
2.	Orientation Programme for Teachers	IQAC, St. Xavier's College	16.06.2023 & 17.06.2023
3.	Faculty Induction Programme	Higher Education Commission , Jesuit Madurai Province, Sacred Heart College, Kodaikanal.	June 09 - 11,2023

4.	SXC- (2023-2024) -Faculty Empowerment Programme	IQAC, St. Xavier's College	22.07.2023
5.	<b>FEP</b>	IQAC, St. Xavier's College	04.12.2023
6.	Refresher Course on "ICT Enabled Teaching and Learning"	IQAC, St. Xavier's College	29.05.24 - 14.06.24
7.	<b>SEEP</b>	IQAC, St. Xavier's College	19.11.24 - 20.11.24
8.	<b>FDP</b>	St. Xavier's College, Palayamkottai	11.06.25 - 13.06.25

DETAILS OF RESEARCH WORK		
Research Stages	Title of the Thesis	University where the Work was carried out
In Progress	Fuzzy Control Systems and Decision Making	National Institute of Technology (NIT), Trichy.

AREAS OF RESEARCH
1. Fuzzy set and control systems.
2. Intuitionistic Fuzzy Decision Making
3. Neutrosophic Fuzzy Similarity measures and Total ordering
4. Intuitionistic fuzzy information system

RESEARCH PROJECTS CARRIED OUT			
S.No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration

PUBLICATIONS				
Books	Book Chapters	Scopus	Web of Science	UGC Listed
01	01	02		
Other Indexed	As a Resource Person	Papers Presented In National And International Seminars	Webinars, Seminars, Workshops Attended	

PUBLICATIONS: BOOKS (01)			
S.No	Title of the Book	Publication	Year
01.	Graphs from Algebraic Structures	JPS Scientific Publications	2024

BOOK CHAPTERS ( 01 )			
S.No	Title of the Paper	Name of the Book	ISSN No., Pg. No
01.	Interval Valued Neutrosophic Information System and Its Applications to Decision Making	Neutrosophic and Plithogenic Inventory Models for Applied Mathematics	ISBN13: 9798369332047 ISBN13 Soft cover: 9798369350188 EISBN13: 9798369332054 DOI: 10.4018/979-8-3693-3204-7 Pg. No : 433-458

PUBLICATIONS: SCOPUS INDEXED JOURNALS (02) WEB OF SCIENCE ( )			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. Nos
01.	MISO Intuitionistic Fuzzy Inference System	Journal of Fuzzy Extension and Applications (JFEA)	Print ISSN : 2783 1442 Online ISSN : 2717 3453 Vol. 6, No.1 (2025) Pg. No : 162–189. Scopus (Q1), Cite Score : 4.1
02.	Total Order Based Similarity Measures for Single Valued and	Neutrosophic Sets and	eISSN: 2331-608X pISSN: 2331-6055 Vol. 86 (2025), Pg. No : 63 – 88.



	Interval Valued Neutrosophic Triplets	Systems (NSS)	Scopus (Q1), Cite Score : 4.9

<b>PUBLICATIONS: UGC LISTED JOURNALS ()</b>			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. Nos

<b>PUBLICATIONS: OTHER INDEXED JOURNALS ()</b>			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. Nos

<b>AS A RESOURCE PERSON (01)</b>			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
01.	One day workshop on Problem solving in Real analysis	Department Mathematics (Aided) & PG Department of Mathematics (SF)	Vellalar College for Women (Autonomous), Erode-12. 29/12/2023

<b>WEBMINARS/SEMINARS/CONFERENCES/SYMPOSIA/WORKSHOP PAPER PRESENTED : National () International ()</b>			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date

<b>WEBMINARS/SEMINARS/CONFERENCES/SYMPOSIA/WORKSHOP ATTENDED:</b>			
<b>S. No</b>	<b>Name of the Event</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
01.	Promoting Academic Excellence Through AI: Responsible Writing, Research Ethics and Anti-Plagiarism Technologies	Department of Library, in collaboration with the Dean of Research and Development Cell, St. Xavier's College (Autonomous)	St. Xavier's College (Autonomous) 14.08.2025.
02.	Rev. Dr. A. Antonysamy Golden Jubilee Endowment Lecture	Department of Mathematics, St. Xavier's College (Autonomous)	St. Xavier's College (Autonomous) 27.01.2025
03.	<b>ICGA- 2024</b>	Department of Mathematics, St. Xavier's College (Autonomous)	St. Xavier's College (Autonomous) 11th & 12th September 2024
04.	International Conference on Applications of Mathematics in Data Science	PG & Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai	PG & Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai. 27 to 28 February 2024
05.	Rev. Dr. A. Antonysamy Golden Jubilee Endowment Lecture	Department of Mathematics, St. Xavier's College (Autonomous)	St. Xavier's College (Autonomous) (2024)
06.	Workshop on Aspects of Higher Education	IQAC, St. Xavier's College, Palayamkottai	15 <sup>th</sup> June 2023
07.	Five day virtual Faculty Empowerment Workshop on E-Content Preparation & <b>ICT- Tools</b>	IQAC, St. Xavier's College, Palayamkottai	19 <sup>th</sup> , 26 <sup>th</sup> September 2023 & 3 <sup>rd</sup> , 10 <sup>th</sup> & 17 <sup>th</sup> October 2023
08.	A Two Day Workshop on Linear Algebra	PG & Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai	PG & Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai. 6 <sup>th</sup> & 7 <sup>th</sup> December 2023

09.	International Conference on Mathematical Analysis and Applications.	<b>NIT - Trichy</b>	National Institute of Technology, Thuvakudi, Trichy. (2022)
10.	Five Days National Level Workshop on Algebra, Analysis And Differential Equations ( <b>WAAD</b> )	<b>NIT - Trichy</b>	National Institute of Technology, Thuvakudi, Trichy. (2021)
11.	International Conference on Discrete Mathematics ( <b>ICDM</b> )	Mathematics Department St. Joseph's College	St. Joseph's College (Autonomous), Tiruchirappalli. (2019)
12.	34 <sup>th</sup> Annual Conference of the Ramanujan Mathematical Society 2019	Ramanujan Mathematical Society ( <b>RMS</b> )	Ramanujan School of Mathematical Sciences in Pondicherry University (2019)
13.	National Workshop on Graph Coloring and Algebraic Graph Theory	Pondicherry University	Ramanujan School of Mathematical Sciences in Pondicherry University (2018)
14.	Summer Outreach Program in Mathematics ( <b>SOPM</b> )	Mathematics Department, National Institute of Science Education and Research ( <b>NISER</b> )	National Institute of Science Education and Research ( <b>NISER</b> ), Bhubaneswar, Odisha (2018)
15.	Summer Training Programme in Mathematics ( <b>STP</b> )	University of Madras	Ramanujan Institute for Advanced Study in Mathematics, University of Madras. (2018)

16.	Mathematics Training and Talent Search Programme (MTTS )	National Board for Higher Mathematics (NBHM)	Shiv Nadar University (SNU), Noida, U.P (2016)
17.	Mini Mathematics Training and Talent Search Programme (MINI-MTTS)	National Board for Higher Mathematics (NBHM)	Yadava College, Madurai. (2016)

COUNTRIES VISITED			

Extra – Curricular activities/Co – Curricular Activities Attended (Ncc/Nss/Yrc/Sports/Literary And Cultural Activities)			

**Date: 19/08/2025**

**Name: Daniel Paulraj**