

Profile



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Educational Qualification : M.Sc.,M.Phil.,SET.,B.Ed.,

S. No.	Degree / Diploma	Subject / Main	Name of the College / University
1.	U.G.	MATHEMATICS	HOLY CROSS COLLEGE (AUTONOMOUS), TRICHY
2.	P.G.	MATHEMATICS	HOLY CROSS COLLEGE (AUTONOMOUS), TRICHY
3.	M.Phil.	MATHEMATICS	ST.JOSEPH'S COLLEGE (AUTONOMOUS),TRICHY.
4.	SET	MATHEMATICS	MOTHER TERESA WOMEN'S UNIVERSITY,KODAIKANAL
5.	B.Ed	MATHEMATICS	TAMILNADU TEACHERS EDUCATION UNIVERSITY

Teaching Experience at Holy Cross College: 9 Years

Teaching Experience outside Holy Cross College: 1 Year

Total Teaching Experience: 10 Years

E-lessons developed:

S.No	Title of e-lessons
1.	Introduction to Graph Theory
2.	Matrix Representations of Graphs
3.	Introduction to linear programming problems

Positions Held

Academic Year	Name of the Position
2012-2013	Assistant Secretary of Mathematics Association(Shift II)
	Magazine In-charge-Dept.
	HRD In-charge – Dept.
	Alumna In-charge –Dept.
	Assistant Secretary of Women Cell (Shift II)

2014-2015	Secretary of Women Cell (Shift II)
	Secretary of Mathematics Association (Shift II)
	HRD In-charge – Dept.
	Internal Exam Committee –Dept.
	External Valuation for Value Education Papers
2015-2016	Secretary of Mathematics Association (Shift II)
	HRD In-charge – Dept.
2018-2019	HRD In-charge – Dept.
	Sports In-charge –Dept.
2019-2020	In-charge of NAAC Parameter 1 Curriculum - Dept.
	Internal Exam Committee –Dept.
2020-2021	ERP –Dept
	In-charge of NAAC Parameter 1 Curriculum - Dept.
	Internal Exam Committee –Dept.
	College Website- Dept.
2021-2022	In-charge of NAAC Parameter 1 Curriculum - Dept.
	Secretary of Mathematics Genius Club
2022-2023	In-charge of NAAC Parameter 1 Curriculum - Dept.
	In- Charge e-content –Dept.
2023-2024	Internal Exam Committee –Dept.
	In-charge of NAAC Parameter 1 Curriculum - Dept.
	In- Charge e-content –Dept.

Journal / Articles Published:

Academic Year	Nature of the Journal	Details
2020-2021	<i>European Journal of Molecular & Clinical Medicine(SCOPUS INDEXED)</i>	Josephine F S, Saranya A, Francina Nishandhi I, (2020) A Dynamic Method for Solving Intuitionistic Fuzzy Transportation Problem, <i>European Journal of Molecular & Clinical Medicine</i> , ISSN 2515-8260 , 5843- 5854.
2020-2021	<i>European Journal of Molecular & Clinical Medicine(SCOPUS INDEXED)</i>	Saranya A, Francina Nishandhi I , Josephine F S,(2020) An Algorithm For Solving Hesitant Fuzzy Quadratic Fractional Transportation Problem , <i>European Journal of Molecular & Clinical Medicine</i> , ISSN 2515-8260 , 3077-3084
2020-2021	<i>European Journal of Molecular & Clinical Medicine(SCOPUS INDEXED)</i>	Francina Nishandhi I, Saranya A, Josephine F S, (2020), Integrated Three Echelon Inventory Model with Finite Manufacturing And Remanufacturin grates Along With The Transportation Cost And Packaging Cost, <i>European Journal of Molecular & Clinical Medicine</i> , ISSN 2515-8260 , 3125-3134.

2021-2022	Natural volatiles& Essential Oils(<i>SCOPUS INDEXED</i>)	Josephine F S, Saranya A, Francina Nishandhi I, (2021) Optimization of fuzzy integrated inventory model using Triangular and Pentagonal Fuzzy number, Natural volatiles& Essential Oils, 16640-16651.
2021-2022	Natural volatiles& Essential Oils(<i>SCOPUS INDEXED</i>)	Saranya A, Francina Nishandhi I , Josephine F S,(2021) An Algorithm for solving Quadratic Hesitant Fuzzy Transportation problem, Natural volatiles& Essential Oils, 10041-10048
2021-2022	Natural volatiles& Essential Oils(<i>SCOPUS INDEXED</i>)	Francina Nishandhi I, Saranya A, Josephine F S, (2020), Integrated Inventory Model with Freight costs and two types of quality discounts Along With The carbon regulations parameters such as Carbon Tax and cap and trade, Natural volatiles& Essential Oils,10892-10900

Conference/Seminar/Workshop/ Training Programme attended - Academic & General:

S. No.	Theme	Place	International /National / State level	Year	Resource Person / Paper Presentation /Participation
1.	National Conference on“ Graph Theory and Operations Research ”	Holy Cross College,Trichy.	National	2014	Participation
2.	Webinar on “ NDLI User Awareness ”	National Digital Library ofIndia	National	2020	Participation
3.	Webinar on “ Optimising Family During Lockdown ”	Holy CrossCollege, Trichy	State	2020	Participation
4.	Webinar on “ Healthy Parenting Styles ”	Holy CrossCollege, Trichy	State	2020	Participation
5.	Webinar on “ Seed andWeed – Nurturing Relationships ”	Holy CrossCollege, Trichy	State	2020	Participation
6.	National Webinar on “ Fractals via Fixed PointTheory ”	Jayaraj Annapackiam College for Women, Periyakulam, Theni.	National	2020	Participation
7.	Webinar on “ Menstrual Hygiene & ReproductiveHealth Care ”	Holy CrossCollege, Trichy	State	2020	Participation
8.	Webinar on “ Obesity andits Role in Brest Cancer ”	Holy CrossCollege, Trichy	State	2020	Participation
9.	Webinar on “ Andragogyof Online Teaching ”	Holy CrossCollege, Trichy	State	2020	Participation

10.	Stride Tutorial on “ Trans disciplinary Research ”	Holy CrossCollege, Trichy	State	2020	Participation
11.	Webinar on “ Remote Classrooms- Digital Technology in Teaching Learning ”	Holy CrossCollege, Trichy	State	2020	Participation
12.	Webinar on “ Social Innovation and ChangeManagement ”	Holy CrossCollege, Trichy	National	2020	Participation
13.	Webinar on “ Combat the pandemic Stress through Yoga ”	Holy CrossCollege, Trichy	National	2020	Participation
14.	FDP on “ ICT Tools forthe 21st Century Teacher ”	Holy CrossCollege, Trichy	State	2020	Participation
15.	FDP on “ Artificial Intelligence and IOT- Heuristic Trans disciplinary Perspectives ”	Holy CrossCollege, Trichy	International	2020	Participation
16.	Webinar on “ Interesting Features of Integral Equations ”	Holy CrossCollege Trichy.	State	2020	Participation
17.	Webinar on “ Doing Mathematics using Softwares ”	Holy CrossCollege Trichy.	State	2020	Participation
18.	Webinar on “ Optimization Modelsusing Fuzzy Numbers ”	Holy CrossCollege, Trichy.	State	2020	Participation
19.	State Level Webinar on “ Applications of Various Divisions of Mathematicsin Graph Theory ”	Holy CrossCollege, Trichy.	State	2020	Participation
20.	Webinar on “ DesigningFinite State Automata ”	Holy CrossCollege, Trichy.	State	2020	Participation
21.	International Seminar on “ Present Trends in Applications of Mathematics ”	Holy CrossCollege Trichy.	International	2020	Participation
22.	Webinar on “ The Implications of the NEP2020 for Higher Education and Role of Teaching ”	Holy CrossCollege, Trichy	State	2020	Participation
23.	Online Short Term Training Programme on “MATLAB and MATHEMATICA for Scientific Research ”	Department of Mathematics ,Arul Anandar College (Autonomous), Karumathur, Madurai Dt	National	27.07.2020 to 29.07.2020 Three Days	Participation

24.	Applications of Graph Theory	PG & Research Department of Mathematics, V.O.Chidambaram college, Thoothukudi- 628008	National	2020	Participation
25.	Six day International FDP on “Innovative teaching and Learning Methods”	PG & Research Department of Commerce & IQAC , Patrician college of Arts and Science, Chennai-20	International	11.07.2022- 16.07.2022	Participation
26.	Two Day In-Service Faculty Workshop on “PYTHON & R PROGRAMMING”	PG & Research Department of Mathematics, Holy Cross College(Autonomous), Trichy-2	State	12 th and 13 th July 2022	Participation
27.	International Conference on “Recent Trends in Applications of Mathematics “	PG & Research Department of Mathematics, Holy Cross College(Autonomous), Trichy-2	International	9 th and 10 th January 2023	Participation
28.	One day in-service Faculty workshop on manipulation & Analysis of Data in SPSS	PG and Research Department of Mathematics, Holy Cross College, Trichy.	State	14 th July 2023	Participation
29.	International Conference on Navigating Research Impact: Metrics, Strategies and Ethical Considerations	Center for Research Central Library , HCC & PG Department of Library and Information Science	International	23 rd September 2023	Participation
30.	National conference on “The Evolving Landscape: Exploring Possibilities and Challenges for the Girl Child in a Dynamic World”	Holy Cross College (Autonomous), Trichy.	National	24 th January 2024	Participation
31.	One day national seminar on “Integrating Artificial Intelligence for cyber security in the Digital Era”	PG and Research Department of Computer Science, Holy Cross College, Trichy.	National	22 nd February 2024	Participation

32.	International Symposium on Collaborative online Interactive learning on Mathematical Research	PG and Research Department of Mathematics, Holy Cross College, Trichy.	International	1 st March 2024	Participation
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Orientation / Refresher / Other Courses attended

Name of the Course	Academic Staff College, University	Duration in Days	From – To
Short Term Online course on ‘Innovative Teaching and Skills for Online Classroom’	Tamil Nadu Open University	39 Days	10.03.2021-17.04.2021
NPTEL-AICTE Faculty Development Programme on ‘Introduction to Operations Research’	NPTEL-AICTE (SWAYAM)	8 Weeks	FEB-APR 2023

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