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**ST.JOSEPH'S COLLEGE (AUTONOMOUS)**  
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### EDUCATIONAL QUALIFICATIONS

Degree	College/ University	Division	Year	Subjects
PHD	Bharathidasan University	Commended	2023	Machine Learning
M.PHIL	Bharathidasan University	First Class with Distinction	2009	Network Security
M.SC	St. Joseph's College (Autonomous)	First Class with Distinction	2003	Computer Science
B.SC	Chirsturaj College	First Class with Distinction	2000	Computer Science

### PROFESSIONAL EXPERIENCE

Job Title	Employer	From	To
Assistant Professor	St. Joseph's College (Autonomous), Trichy	13.6.2011	Till Now

## PROGRAMMES ORGANIZED

1. **Programme Coordinator:** Organized a seminar for second-year U.G. students on "**Empowering Self for Effective Communication**", held at St. Joseph's College (Autonomous), Trichy, on **January 31, 2025**.
2. Programme **Organizer:** Organized a program for female M.C.A. students on the topic "**Think Positive and Live Positive**", held at St. Joseph's College (Autonomous), Trichy, on **February 8, 2025**.
3. **Programme Coordinator:** Organized a seminar for female M.C.A students on the topic "**Self Motivation and Awareness**", held at St. Joseph's College (Autonomous), Trichy, on **January 31, 2025**.

## BOOK AND CHAPTERS CONTRIBUTED

1. **Environmental Science** (Chapter 3: Sustainable Development Growth) published by Foundation Department of Human Excellence, St. Joseph's College(Autonomous), Trichy-2
2. **Computer Literacy** (Chapter 9: Network Security) published by Department of Computer Science, St. Joseph's College (Autonomous), Trichy- 2
3. **Enhancing ML Algorithms for Imbalanced Datasets ,Mitigating Imbalanced Data Bias** published in Scholars Press, Europe. ISBN: 978-620-6-77420-4 ,2024.

## CONFERENCE/WORKSHOP ATTENDED

1. Participated in totally 50+ Technical sessions, Workshops, Conferences conducted by various Professional bodies.

## ECONTENT MAKING AND FACULTY DEVELOPMENT PROGRAMMES ATTENDED

1. Attended a three days Faculty Development Program on “**Student Centric Approach For Teaching and Learning**” from 27.1.2025 to 29.1.2025.
2. Attended a one-month Faculty Development Program on the **Four-Quadrant Approach for E-Content Development** and prepared two video contents.

## CURRICULAM DESIGNED

Designed a **syllabus** for the period **2015 to 2025** for the following Papers

1. Digital Computer Fundamentals(NEP 2020)
2. Operating Systems
3. Big Data Analytics
4. Web Ethics
5. Artificial Intelligence

## ORGANIZED CERTIFICATE COURSE

In our department First Time I have conducted Certificate course on “**Data Analysis Using Spreadsheet and Python 2023**” from various streams of students in St. Josephs College (Autonomous), Trichy Campus. Totally **66** students registered and successfully completed the course with good reviews.

LMS – Online Course Design Matrix, **Module 2**, was prepared and developed with video content.

### INVITED TALKS DELIVERED

Topic	Date	Organization
Glimpses of Python	10.11.2024	St. Joseph's College (Autonomous) Trichy- 620 002
Data Analytics using Python	07.10.2023 05.11.2023	St. Joseph's College (Autonomous) Trichy- 620 002
Awareness Digital Games in Internet	09.07.2019	Government Higher Secondary school, Thogamalai.
Women Empowerment	15.11.2020	Government Girls Higher Secondary School, Thogamalai

### CONTRIBUTED TO THE COLLEGE

- Played a key role in WCCT-16 an IEEE affiliated International Conference
- Served as Bridge course tutor for continuous 3 years.
- Played a key role in ICDT-2024 an IEEE affiliated International Conference.
- Accompanied MCA students for Industrial Visit during the academic year 2018.
- Accompanied MCA students to visit shenbaganur, Kodaikanal for Sheperd Visit during the academic year 2016.
- Accompanied III B.Sc Students (only 65 boys) for industrial visit to Kerala during the academic year 2023.
- One among the team member in IELTS Course organized by St. Joseph's College (Autonomous), Trichy-2
- One among the event manager in INDEP from 2015-2024.
- Played a key role in TECX24 Symposium organized by Department of Computer Science both inter and intradepartmental events.

### RESPONSIBILITIES HELD

- Vice President of Computer Science Association in the year 2015-2016.
- Member of Campus Ministry in SJC 2023-2024

- Team Head for various events in Fine arts activities from the year 2015-2023
- Girls' student Incharge in the year 2023-2025
- First year class mentor from the academic year 2015- 2024.

### MINOR PROJECT

1. SJC grant for Project Proposal Rs. 50,000 for “A Predictive Framework for Robust Thermal Comfort Environmental Model” . JANUARY 2025.

### PUBLICATIONS:

1. **S. Josephine Theresa and Dr.D.J. Evanjaline**, “A survey on Insight of Big Data”, International Journal of Emerging Technology and Advanced Engineering, UGC Approved List of Recommended Journal, Volume 8, Special Issue 2, February 2018.
2. **S. Josephine Theresa and Dr.D.J. Evanjaline**, “Classification of Diabetes Milletus Using Navie Bayes Algorithm”, Beyond the Hype, Springer, 2019.Link: [Classification of Diabetes Milletus Using Naive Bayes Algorithm | SpringerLink](#)
3. **S. Josephine Theresa and Dr.D.J. Evanjaline**, “Class Based Oversampling with Integrated Bagging for Handling Data Imbalance in Sensitive Data “, International Journal of Applied Engineering Research, Scopus Indexed Journal, Volume 6, Special Issue 2, December 2021.
4. **S. Josephine Theresa and Dr.D.J. Evanjaline**, “Feature Subspacing Based Stacking For Effective Imbalance Handling in Sensitive Data”, ICTACT Journal on soft computing (UGC care list Group -1), Volume 12, Special Issue 1, August 2021  
Link: [IJSC Vol 12 Iss 1 Paper 8 2510 2514.pdf \(ictactjournals.in\)](#)
5. **S.Josephine Theresa, A.Nisha Jebaseeli**, “,Weighted Multi model Ensemble for Prediction on Imbalanced Data”, Journal of Electrical Systems Indexed in Scopus and Web of Science. Selected and yet to be publish in 2025.

Declaration

I hereby declare that all the statements made in the above vitae are true to the best of my knowledge and belief.

Place

Trichy

yours sincerely

S. Josephine Theresa

