

CURRICULUM VITAE

Dr. R. SEBASTHI PRIYA
Assistant Professor
Department of Mathematics
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➤ **Research Area:**

- Stochastic Models
- Applied Probability
- Random Processes

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion
Ph.D. (Mathematics)	Anna University, Chennai	2017
M.Phil.(Mathematics)	St. Joseph's College, Bharathidasan University, Trichy	2001
PG (Mathematics)	Holy Cross College, Bharathidasan University, Trichy	1999
UG (Mathematics)	Holy Cross College, Bharathidasan University, Trichy	1997
PGDCA	St. Joseph's College, Bharathidasan University, Trichy	2000

Experience:

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
University College of Engineering, Tiruchirappalli	Assistant Professor	14.07.2015	Till Date	8Y 2M
University College of Engineering, Villupuram	Assistant Professor	20.08.2008	13.07.2015	6Y 10M 23D
Holy Cross College, Trichy	Lecturer	02.06.2008	19.08.2008	2M 17D
Chidambarampillai College For Women, Trichy	Lecturer	01.06.2007	30.04.2008	11M
ADM College For Women, Nagapattinam	Lecturer	18.01.2006	29.03.2007	1Y 2M 10D
Chidambarampillai College For Women, Trichy	Lecturer	01.06.2004	31.03.2005	9M 29D
Vel's College of Science, Chennai	Lecturer	02.06.2003	30.04.2004	10M 28D
Holy Cross College, Trichy	Lecturer	01.06.2001	30.04.2003	1Y 10M 29D

➤ Awards / Honours Received:

1. UGC CSIR NET QUALIFIED ON 2001
2. Received Best Faculty Award in 10th International Scientist Awards on Engineering, Science and Medicine held on 26 & 27- September 2020, Hyderabad organized by VDGGOOD Professional Association

➤ Additional / Academic Responsibilities at University:

1. Women Cell Coordinator- UCE, Villupuram (2014-2015)
2. Estate Officer - UCE, Villupuram (2011-2012)
3. Vehicle Officer - UCE, Villupuram (2011-2012)
4. Deputy Warden - UCE, Villupuram (2008-2010)

➤ **Membership of Scientific and Professional Societies:**

1. Active member in VDGOOD PROFESSIONAL ASSOCIATION.
2. Life Member in Indgiants Association of Educators & Professional Trainers – IAEPT.
3. Member in International Association of Engineers – IAENG.

➤ **Research Guidance (Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	L. Vanitha	Data Processing and Text Mining Technologies in Electronic Health Record.	2023	Course Work
2.	V. Archana	Deep Learning Approach for Intrusion Detection in Asymmetric Network	2023	Course Work

➤ **Publications:**

a. Books / book chapters:

1. Engineering Applications with Graph Theory (with Dr. A. Renugambal and Dr. J.Vijayarangam)
2. Matrices and Calculus (with Dr. V. Nirmala and V. Parimala)

b. International Journals:

1. S.Sasikumar, L.Francis Raj and R. Sebasthi Priya, Transient Analysis of modified M/M/1 queue with additional server and congestion, Advanced Engineering Science 54, 2851-2867, 2022.
2. R Sudhesh and R. Sebasthi Priya, An analysis of discrete-time Geo/Geo/1 queue with feedback, repair and disaster, International Journal of Operational Research 35 (1), 37-53, 2019.

3. R. Sebasthi Priya and R. Sudhesh, Transient analysis of a discrete-time infinite server queue with system disaster, International Journal of Mathematics in Operational Research 12(1), 91–101, 2018.
4. R Sudhesh, R. Sebasthi Priya and RB Lenin, Transient analysis of a single server discrete-time queue with system disaster, RAIRO-Operations Research 51 (1), 123-134, 2017.
5. R Sudhesh, R. Sebasthi Priya and RB Lenin, Analysis of N-policy queues with disastrous breakdown, TOP 24 (3), 612-634, 2016.

c. National Journals:

➤ **Patents:**

An Adhesive Wrist Patch for monitoring blood glucose level of diabetes patients using machine learning, Published on 12/11/2020 (with Dr. K. Dr. K. Selva Bhuvaneswari, Dr. K. Kanimozhi, Dr. A. Saraswathi)

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

- Organized a two days live webinar on “The Practicality of Enhancing the Emotional Intelligence of Staff and Students amidst COVID Pandemic” jointly organized by the Department of Chemistry and Department of Mathematics, University College of Engineering Tiruchirappalli-BIT Campus on 24.06.2020 and 25.06.2020.(with Dr. K. Kanimozhi)

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

- One Day workshop on “How to Prepare Research Project Proposal” at University College of Engineering Villupuram on 06.08.2011.
- One Day workshop on “Research Methodology” at Anna University BIT Campus, Tiruchirappalli on 27.08.2011.
- One Week Faculty Development Programme on “Probability Queueing Theory” at University College of Engineering Villupuram from 30.11.2012 to 06.12.2012.

- One Week Faculty Development Programme on “Transforms and Partial Differential Equations” at University College of Engineering Villupuram from 20.06.2013 to 26.06.2013.
- International Conference on “Applied Mathematical Models (ICAMM 2014)” at PSG College of Technology, Coimbatore from 03.01.2014 to 05.01.2014.
- International Conference on “Mathematics and its Applications (ICMAA 2014)” at University College of Engineering Villupuram from 15.12.2014 to 17.12.2014.
- Two Days Bridge Course at Anna University, Chennai from 26.06.2015 to 27.06.2015.
- Two Days TEQIP – II Sponsored Workshop on “Probability and Random Processes” organized by Department of Mathematics, Anna University BIT Campus, Tiruchirappalli from 05.03.2016 to 6.03.2016.
- Two Days TEQIP – II Sponsored Workshop on “Probability and Random Processes” organized by Department of Mathematics, Anna University BIT Campus, Tiruchirappalli from 05.03.2016 to 6.03.2016.
- One Day TEQIP – II Sponsored course on “Faculty Development Programme” at Anna University BIT Campus, Tiruchirappalli on 01.03.2016.
- Two Weeks TEQIP – II Sponsored Faculty Development Programme on “Recent Trends and Applications of Mathematics in Computing” organized by Department of Mathematics, Anna University BIT Campus, Tiruchirappalli from 08.06.2016 to 21.06.2016.
- Two Weeks AICTE Sponsored Faculty Development Programme on “Mathematical Sciences Research Challenges in Engineering Applications” at Sethu Institute of Technology, Kariapatti from 20.11.2017 to 03.12.2017.
- Twelve Week Ministry of HRD Govt. of India sponsored Nptel Swayam Faculty Development Programme on “Ordinary and Partial Differential Equations” conducted by NPTEL – AICTE from 30.07.2018 to 21.10.2018.
- One Week Faculty Development Programme on “MA8151-Engineering Mathematics I” at University College of Engineering Dindigul from 17.06.2019 to 22.06.2019.
- Twelve Week Ministry of HRD Govt. of India sponsored Nptel Swayam Faculty Development Programme on “Transform Calculus and its Applications in Differential Equations” conducted by NPTEL – AICTE from 27.01.2020 to 17.04.2020.

- Twelve Week Ministry of HRD Govt. of India sponsored Nptel Swayam Faculty Development Programme on “Advanced Probability Theory” conducted by NPTEL – AICTE from 27.01.2020 to 17.04.2020.
- One Week Faculty Development Programme on “Outcome Based Education” conducted by IQAC, Christ College of Science and Management from 04.06.2020 to 11.06.2020.
- Three Week Industrial Training Programme on “Basic Science and Communication for faculty” RGM TTC, BSNL, TN-Circle, Chennai from 08.06.2020 to 26.06.2020.
- Two-week Faculty Development Programme on “Advanced concepts for Developing Moocs” conducted by Ramanujan College in association with MHRD (MoE) from 02.07.2020 to 17.07.2020.
- Five days Faculty Development Programme on “Moodle Learning Management System” conducted by CFD, Anna University from 12.10.2020 to 16.10.2020.
- Two-week Refresher course in Mathematics conducted by Ramanujan College in association with MHRD (MoE) from 16.03.2021 to 30.03.2021.
- Five days Faculty Development Programme on “Inculcating Universal Human Values in Technical Education” conducted by AICTE, from 14.03.2022 to 18.03.2022.
- Twelve Week Ministry of HRD Govt. of India sponsored Nptel Swayam Faculty Development Programme on “Introduction to Queueing Theory” conducted by NPTEL – AICTE from 24.01.2022 to 15.04.2022.
- Four Week “Faculty Induction Programme” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi from 22.03.2023 to 20.04.2023.

➤ **National / International Conferences organized / Participated:**

➤ **Publications in Referred International Conference Proceedings**

- Transient Solution of a Single server N-policy Poisson Queue with Catastrophe, Proceedings of the International Conference on Applied Mathematical Models–ICAMM 2014, pp.137-146, 2014. (with R. Sudhesh and R.B. Lenin)
- Transient analysis of a discrete-time infinite server queue with system disaster, Proceedings of the International Conference on Mathematics And its Applications-ICMAA, pp. 1056-1063, 2014 (with R. Sudhesh)
- An analysis of Geo/Geo/1 queue with feedback, repair and disaster, Proceedings of the International Conference on Mathematics And its Applications-ICMAA, pp. 1044-1055, 2014 (with R. Sudhesh and P. Savitha)

- **Professional recognitions:**

- Associate Editor in International ISBN Book titled RECENT TRENDS IN MULTI DISCIPLINARY RESEARCH (RTMR-2023) (ISBN: 978-93-91387-26-6).

Guest lectures delivered:

- Keynote speaker in National level seminar on 15th march,2023 at Sri Sarada Niketan College for Women Karur.