

## FACULTY PROFILE TEMPLATE FOR WEBSITE

### Basic Details:

- **Name** : Linda Joel
- **Designation** : AP(OG)
- **Phone Number** : 9176662812
- **Email Id** : lindajop@srmist.edu.in
- **Area of Specialization** : Reliability
- **Affiliation** : SRMIST

### Educational Details:

- **Degree** – PH.D
- **Area or Subject** – Mathematics
- **University** – SRMIST, RMP
- **Awarded Year** – Pursuing
- **Degree** – M.Phil.,
- **Area or Subject** – Mathematics
- **University** – Madras University
- **Awarded Year** – 2009
- **Degree** – M.sc
- **Area or Subject** – Mathematics
- **University** – Madras University
- **Awarded Year** – 2008
- **Degree** – B.Sc
- **Area or Subject** – Mathematics
- **University** – Madras University
- **Awarded Year** – 2006

## **Other Details:**

### **Courses :**

- Statistics for Business
- Quantitative Technique for Business Decision
- Transforms & Boundary value problems
- Discrete Mathematical Structures
- Mathematical Foundation
- Business Statistics-I
- Business Statistics-II
- Statistical Methods
- Resource Management Technique / Operation Research
- Numerical Methods
- Probability & Statistics
- Mathematics-I
- Mathematics-II
- Transforms & Partial Differential Equations
- Operation Research
- Statistics & Numerical Methods
- Probability & Random Process

### **Research Interests : Reliability**

### **Selected Publications :**

- **Paper title "Parametric optimization of abrasive water jet machining of C360 brass using MOTLBO", materials today proceeding , 50(6) ISSN: Pages 1905-1910**
- **Paper title "A Study on Rate of Occurrence of failure using HPP for 225 kw windmill data ",Natural Volatile and Essential Oils 2021;8(4):11922-11925**
- **Paper title "Evaluation of Waste Plastic Pyrolysis Oil Performance with Diethyl Ether Additive on Insulated Piston Diesel Engine" Nature Environment & Pollution Technology.**

### **Papers Presented :**

1. **"A Survey on Rate of occurrence of using Non Homogeneous Poisson Process" DPRC-2022, 24th - 26th March 2022, at SRM Institute of Science and Technology, Kattankulathur-603 203, Tamil Nadu, INDIA.**
2. **"The concept of Logistic Regression using Machine Learning in the field of Medical Science" , AIP Conference Proceedings , PMTIA-2020 organized by SRMIST, Ramapuram, Chennai - 600089 during 06 th & 7 th of November 2020..**

**Working Papers : Software reliability**

**Work in Progress : Software reliability**

**Academic Experience :**

- SRM INSTITUTE OF SCIENCE & TECHNOLOGY, RAMAPURAM. From 19.06.2017 to Till Date
- MEENAKSHI COLLEGE OF ENGINEERING ,K.K NAGAR. From 01.08.2013 to 30.05.2017.
- ANAND INSTITUTE OF HIGHER TECHNOLOGY . From 01.07.2011 to 01.07.2013.
- PMR ENGINEERING COLLEGE,Maduravoil. From 01.09.2009 to 01.06.2010

**Other Professional Experience : -**

**Achievements : -**

**Workshops /Seminars/Conferences:**

- Workshop attended “Workshop on Fluid Dynamics and its Applications” on 12.04.2018 at SRMIST- Ramapuram
- Workshop attended "Differential Equations and its Applications" on 07.03.2019 at SRMIST- Ramapuram
- Conference attended “National Conference on Recent Trends in Fuzzy Mathematics and its Applications on 03.11.2017 & 04.11.2017 at SRMIST- Ramapuram
- Conference attended 2nd National conference on "Recent Trends in Fuzzy Mathematics and its Applications"(NCRTFMA-2018) on 26.10.2018 & 27.10.2018 at SRMIST- Ramapuram
- Conference attended 3rd National Conference on “Progress in Mathematics towards Industrial Applications” (NCPMTIA- 2019) on 27.09.2019 & 28.09.2019 at SRMIST- Ramapuram
- Approximate solution of Viral Dynamics in HBV infection using Homotopy Perturbation Method, AIP Conference Proceedings 2277,120006(2020), Published on 06-November-2020, ICMTA-2020 Organized by SRMIST- KTR Campus
- Workshop on Linear Algebra Organized by SSN college of Engg from 1.6.20 - 2.6.20
- Workshop on Mathematical Analysis Organized by Loyola College from 8.6.20-13.6.20
- International Workshop on Epidemic Modelling Organized by Mukesh patel school of Engg & Technology from 08.06.2020 to10.06.2020
- International webinar on computational fluid Dynamics Organized by Sanjivani College of Engg, kopargaon on 10.06.20
- Three Days Online FDP on innovative strategies in English Language Teaching Organized by Jeepiar Engineering College from 10.06.2020 to 12.06.2020
- Mathematical Modelling of Infectious Diseases Organized by Mizoram University on 11.06.2020
- Webniar on Mathematical Modelling in Covid 19 Organized by Jeepiar Engineering College on 13.06.20
- One week FDP on Advance Materials Research Organized by Bharat Institute of Engineering And Technology from 15.06.2020 - 19.06.2020

- Modern Epidemiology Of Infectious Disease Using Predatory Prey Dynamics Organized by SRMIST-Ramapuram on 16.06.20
- International FDP on Fuzzy Mathematical Modelling Organized by St Joseph`s College of Engineering from 16.06.2020 & 17.06.2020
- International web conference on Advances in Mathematics Organized by St Mary`s College, Thoothukudi from 17.06.2020 - 19.06.2020
- SIRD Model to Predict COVID-19 Outbreak in Tamilnadu-India Organized by SRMIST-Ramapuram on 25.06.20
- Evolution of COVID-19 Pandemic: Power -law growth & Flattening of the curve Organized by SRMISTRamapuram on 26.06.20
- Mathematica & Application of Mathematics Organized by Pillai College of Engineering from 27.06.2020 - 29.06.2020
- National Webniar on Real time weather & Covid Data Analysis Organized by Thakur College of Science & Commerce on 27.06.2020
- Exposure to Sage Math Organized by St Joseph Institute of Technology on 30.06.2020
- Mathematical Modelling of Infectious Disease with special focus on COVID -19 Organized by VIT, Chennai on 02.07.2020
- International Workshop on "The Craft of Research" Organized by SRMIST, Ramapuram from 02.07.2020 and 03.07.2020
- One Week Online FDP on Being a Super Teacher Organized by Bannari Amman Institute of Technology from 06.07.2020 to 12.07.2020
- FDP on Mathematics & Its Application in Engg & Tech Organized by SRMIST KTR Campus from 06.07.2020 to 16.07.2020
- International webinar on "On the Merrifield - Simmons Index of Graphs" Organized by SRMIST, Ramapuram on 10.07.2020
- International webinar on "Online Teaching & Learning: Challenges & Oppurtunities through Disruption " Organized by Geetha Jeevan Arts & Science College on 15.07.2020
- International webinar on "Janowski Functions Associated with the comic domains" Organized by SRMIST, Ramapuram on 19.07.2020
- International webinar on "Topological Tverberg Conjecture: A Homotopy theoretic approach" Organized by SRMIST, Ramapuram on 20.07.2020
- International Virtual FDP Frontiers of Mathematics Organized by SRMIST RAMAPURAM from 17.08.2020- 26.08.2020
- Webinar-Mapping Disease Organized by Data SRMIST,RPM on 25.09.2020
- Stability and Numerical Solution of SEQIR Model for COVID-19 with Optimal Control and Prediction PMTIA-2020 Organized by SRMIST-Ramapuram Campus on 06.11.2020 & 07.11.2020
- National Mathematics Day-Celebrating Srinvasa Ramanujan Organized by SRMIST RPM CHENNAI from 22.12.2020 to 26.12.2020
  - A Ten-Day online Faculty Development Programme (FDP) on “Mathematical Models for Machine Learning and It’s Applications”, organized by Electronics & ICT Academy, NIT Warangal and Faculty of Science & Technology (IcfaiTech), The ICEAI Foundation for Higher Education(IFHE), Hyderabad (July 11-20,

- 2022).
- “A Special talk on Technology Enabled Learning for 21st Century Students”, SRMIST, Ramapuram, Chennai, (16.07.2022).
  - “A Special talk on Personal Development - Looking Inward and focusing on ways to better yourself”, SRMIST, Ramapuram, Chennai, (23.07.2022).
  - “A Special talk on Carving your Career”, SRMIST, Ramapuram, Chennai, (06.08.2022).
  - “A Special talk on Ways to Handle Life’s Stressors”, SRMIST, Ramapuram, Chennai, (13.08.2022).
  - “A Virtual Workshop on Reliability Modeling and its Applications”, SRMIST, Ramapuram, Chennai, (24.08.2022 & 26.08.2022).
  - “A Special talk on Stem Strategy, Role of Teachers”, SRMIST, Ramapuram, Chennai, (05.09.2022).

#### **Achievements and Awards:**

- Completed Nptel course on Transforms calculus and application
- Completed more than 60 Courses in COURSERA

#### **Academic / Professional Membership: -**

Life Time Member Ship in ISTE & ISC

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