

FACULTY PROFILE TEMPLATE FOR WEBSITE

Basic Details:

- **Name:** J. Kavitha
- **Designation:** Assistant Professor
- **Phone Number:** 9176075774
- **Email Id:** kavithaj1@srmist.edu.in
- **Area of Specialization:** Mathematics
- **Affiliation:** Department of Mathematics, , SRM Institute of Science and Technology, Ramapuram Campus

Educational Details:

- **Degree –** B.sc
- **Area or Subject –** Mathematics
- **University –** Madurai Kamaraj University
- **Awarded Year –** 2004
- **Degree –** M.Sc
- **Area or Subject –** Mathematics
- **University –** Madurai Kamaraj University
- **Awarded Year –** 2006
- **Degree –** M.Phil
- **Area or Subject –** Mathematics
- **University –** Madurai Kamaraj University
- **Awarded Year –** 2007
- **Degree –** PhD Pursuing
- **Area or Subject –** Chemical Graph Theory
- **University –** SRM Institute of Science and Technology, kattankullathur
- **Awarded Year –** Nil

Other Details:

Courses:

- Mathematics-I
- Mathematics -II
- Mathematics III
- Numerical Methods
- Statistics & Numerical Methods
- Transforms & Partial Differential Equations
- Calculus and linear algebra
- Probability and Queueing Theory
- Graph Theory
- Probability and Random Process
- Business statistics-I
- Quantitative technique for Business Decision
- Discrete Mathematical Structure

Research Interests: Chemical Graph theory

Selected Publications: Nil

Papers Presented:

- ❖ Some Degree based Topological Indices of certain Nanotubes” at the International Virtual Conference on Progress in Mathematics towards Industrial Applications organized by the department of Mathematics, SRMIST, Ramapuram during 29th and 30th of October 2021.
- ❖ Dr. Paarivendhar Research Colloquium (DPRC 2021) held between 3-5th March 2021(Virtual) at SRMIST, Kattankulathur.

Working Papers: Status of vertex

Work in Progress: We are going to define a new status indices

Academic Experience: 14 Years 9 Months

- Asst. Prof. (O.G.), Ramapuram Campus, SRMIST, Chennai -89, From 27.06.2019 to till date.
- Asst.Prof. Vel Tech High Tech Dr.Rangarajan Dr.sakunthala Engineering College, Chennai-62(2010-2019).
- Lecturer, Vel Tech Dr.RR and Dr.Sr Technical University (2009-2010).
- Lecturer, Srinivasa Institute of Engineering Technology (2007-2009).

Other Professional Experience: Nil

Achievements: Nil

Workshops /Seminars/Conferences:

- International virtual conference on Birding Innovative Trends in Mathematics, Engineering and Technology has attended on – 18.12.2020 to 19.12.2020 at Bannari Amman Institute of Technology.
- A seven day international workshop on Reinforcement of Quality Education has attended on – 26.06.2020- 2.07.2020 at IQAC of Vellalar College of women.
- National level workshop “Free ICT Tools for E – content development and online teaching has attended on 6.6.2020-7.6.2020 at Gojan school of Business and Technology.
- Workshop: How to write a Winning project proposal for finding has attended on 29.4.2020 at SRMIST, Ramapuram.
- Workshop: Sage for Mathematics and Engineering has attended on 7.8.2020 at Bannari Amman Institute of Technology.
- FDP : Mathematics industry 4.0 has attended on 27.4.2020-29.4.2020 at SRMIST, Ramapuram.
- FDP : R- language has attended on 13.5.2020-20.5.2020 at Auxilium college, vellore.
- Online FDP on Introduction to Fuzzy sets and its Applications has attended on 10.6.2020 at Mepco Schlank Engineering college.
- FDP Advanced Material Research has attended on 15.6.2020-19.6.2020 at Bharat Institute of Engineering and Technology.
- FDP Deep Learning has attended on 24.7.2020-25.7.2020 at SRMIST, Vadapalani.
- FDP Application of Mathematics in Engineering on 27.7.2020-31.7.2020 at KRR Institute of Engineering and Technology.
- International virtual FDP “ Frontiers of Mathematics” has attended on 17.8.2020-26.8.2020 at SRMIST, Ramapuram.
- FDP Recent Advances in Mathematics and Statistics has attended on 3.8.2020-8.8.2020 at GITAM University.
- FDP national Mathematics day has attended on 22.12.2020-26.12.2020 at SRMIST, Ramapuram.
- Six days e-STTP-2020 on formal Language and Automata Theory has attended on 14.12.2020-19.12.2020 at SRMIST, KTR
- Two day national E-seminar on Fuzzy set theory and Applications has attended on 22.12.2020-23.12.2020.
- Research Development programme on Mathematical methods in applied Science has attended on 17.7.2020-28.5.2020 at SRMIST- Kattankulathur.
- International webinar “ Neutrosophirstes” has attended on 3.8.2020-4.8.2020 at SSN College.
- National Webinar “ Application of Differential Equations in Civil Engineering has attended on 11.8.2020 at Kumaragrur college of Technology.
- International webinar on “On the Merrifield-simmons index of Graphs has attended on 10.7.2020 at SRMIST, Ramapuram.
- Graphs from Commutative ring have attended on 10.6.2020 at Persidency College.

- Computational fluid dynamics has attended on 10.6.2020 at Sanjivani college of Engineering, Kopargaon.
- An introduction to Domination in graph Theory has attended on 5.6.2020 at KG college of Arts and Science.
- Recent trends in Mathematical Modelings have attended on 27.6.2020 at Mannar Thirumalai Naicker College.
- Graph Decomposition using Graph Labelings has attended on 27.6.2020 at St.Joseph's Institute of Technology.
- Special Lecture Evolution of Covid-19 pandemic: Power law growth and Flattening has attended on 26.6.2020 at SRMIST, Ramapuram.
- Special Lecture SIRD model to predict Covid-19 out break in Tamil nadu-India has attended on 25.6.2020 at SRMIST, Ramapuram.
- Leadership talk on – what makes a good leader has attended on 21.6.2020 at SRMIST, Ramapuram.
- The vertex Steiner number of a graph has attended on 30.6.2020 at SA Engineering College.
- One-day Workshop on **TRENDS IN OPERATIONS RESEARCH AND APPLICATIONS** has attended on - 23rd December 2008 at Henry Maudslay Hall, Anna University, Chennai.
- Faculty development programme on “TEACHING METHODOLOGIES” has attended on 20.06.2011 and 27.06.2011 at Vel Tech Dr.RR & Dr.SR Technical University, Chennai.
- One- day Workshop on PROBABILITY AND QUEUEING THEORY has participated on 7th August 2011 at Vel Tech Dr.RR & Dr.SR Technical University, Chennai.
- Faculty Development Programme with us on 13th June and 14th June, 2012 has participated at Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College.
- Faculty development programme on “PROBABILITY AND QUEUEING THEORY” has attended on 16.12.2013 and 20.12.2013 at Vel Tech Dr.RR & Dr.SR Technical University, Chennai.
- CENTRE FOR FACULTY DEVELOPMENT ANNA UNIVERSITY, CHENNAI-25 has participated in the FACULTY DEVELOPMENT TRAINING PROGRAMME at Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai from 11th to 19th June 2018.
- Conference attended 3rd National Conference on “Progress in Mathematics towards Industrial Applications” (NCPMTIA- 2019) on 27.09.2019 & 28.09.2019 at SRMIST- Ramapuram

Achievements and Awards: Secured 2nd rank in M.Phil

Academic / Professional Membership: Mathematics Professors Forum (Id no 4374)

Please send in your latest **PASSPORT SIZE** photograph.



J. KAS

Digital Sign