



Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
6 Programs Accredited by **NBA**
(CSE, ISE, ECE, EEE, MECH, CV)

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|--|---|---|-----------------|-----------------|
| Faculty Name | Dr. SHILPA P |  | | |
| Academic Designation | ASSISTANT PROFESSOR | | | |
| Educational Qualification | M.Sc., M.Phil., Ph.D | | | |
| Experience in Teaching & Industry | <table border="1"><tr><td>22-Years</td><td>3-Months</td></tr></table> | | 22-Years | 3-Months |
| 22-Years | 3-Months | | | |
| Date of Joining | 02-08-2019 | | | |
| Official Email ID | shilpa-maths@dsatm.edu.in | | | |
| Employee ID | 180464 | | | |

Educational Details

| FORMAL MODE OF EDUCATION | | | | |
|--------------------------|---|-------------------|-----------------|---------------------|
| Degree | Board/Institution | Mode of education | Year Of Passing | Percentage of Marks |
| Ph.D (Mathematics) | Bangalore University | Full-Time | 2019 | 92 |
| M.Phil (Mathematics) | Alagappa University | Full-Time | 2008 | 68.6 |
| M.Sc (Mathematics) | Bangalore University | Full-Time | 2004 | 61.3 |
| B.Sc (Computers) | Bangalore University | Full-Time | 2001 | 68.3 |
| Intermediate | Pre University Education | Full-Time | 1997 | 50 |
| SSLC | Karnataka Secondary Education Examination Board | Full-Time | 1995 | 63.68 |

Professional Experience

| Description | Board/Institution | Experience |
|-------------|--|--|
| Lecturer | East Point Engineering College, Bangalore | Aug.2004 to Jan 2005 (1 Semester) |
| Lecturer | H.M.S Institute of Technology, Tumkur | Feb.2005 to July 2006 (1 year 6 months) |

| | | |
|---------------------|---|---|
| Assistant Professor | R.L.Jalappa Institute of Technology, Doddaballapur | Aug.2006 to July 2013 (7 years) |
| Research Scholar | University of Visvesvaraya College of Engineering (UVCE) | October 2013 to July 2017 (3 years 9 months) |
| Assistant Professor | BMS College of Engineering, Bangalore | Aug.2017 to Dec. 2017 (1 Semester) |
| Assistant Professor | VVS First Grade College, Bangalore | July 2018 – July 2019 (1 year) |
| Assistant Professor | DSATM, Bangalore | Aug. 2019 to till date. |

Publications

International Journals:

1. N Rudraiah, G Ranganna, Shilpa P “**Effects of transverse electric field and heterogeneity of a poorly electrically conducting fluid saturated Nano porous zeolites acquiring smart material properties**”, *International conference on the frontiers of plasma physics and technology*, 2013
2. Ramesh B Kudenatti, Shilpa P, “**Similarity solutions of the unsteady boundary-layer flow past a permeable wedge embedded in a porous medium**”, *Journal of Porous Media*, 2017, **Q2**, h index-42, Impact factor -2.5, ISSN - (SJR) SCImago Journal Rank is **0.282**.
3. Shilpa P, “**Exact solution of an Unsteady Boundary-Layer Flow Past a Wedge considering the Magnetic Field Effects**”, *International Journal of Scientific and Engineering Research*, Vol 9(3), 840-846, 2018, ISSN -2229-5518,.
4. Tejas, Taniya Fatima, Vatsala GA, Shilpa P, “**Detection of vehicle crashes using multiple sensors and various computing devices sending SOS through GPS service-Crash Jack**”, *International Conference on Artificial Intelligence and Data Engineering(AIDE)*, IEEE Explore, 121-124, 2023.
5. Chaitra M,Vatsala G A, Shilpa P, Vinutha Srikanth, “**Analysis Effect of Amplitude response for phase shifter on phased array antenna**”, *International Conference on Artificial Intelligence and Data Engineering(AIDE)*, IEEE Explore, 47-51, 2023.
6. N N Jose, Pratibha C Kaladeep Yalagi, Shilpa P, S Shankar, Jeetesh Kumar Srivastava, Nookla Venu, “**Utilising Machine Learning Techniques to Evaluate the survival Probability of head and neck cancer patients based on their smoking habits and Medial History**”, *International Conference on Communication, Security, and Artificial Intelligence(ICCSAI)*, IEEE Explore, 440-444, 2025, ISBN: 979-8-3315-3607-7, DOI: 10.1109/ICCSAI64074.2025.11064636.

7. Rajalakshmi V, Galeiah Medabalimi, Shilpa P, Susee S K, Sreetharan Vaduganathan, Vijayakumar Kadumbadi, **“Optimization Strategies for neither TLS: Spatial Immune Interaction Patterns in High-Grade Serous Ovarian Cancer”**, *International Conference on Communication and Signal Processing (ICCSP)*, IEEE Explore, 301-305, 2025, ISBN: 978-1-6654-5736-1, DOI: 10.1109/ICCSP64183.2025.11088433
8. Dr. Ajay N Upadhyaya, Dr. Deipali Vikram Gore, Dr. Shilpa P, Mohit Tiwari, Anju Aravind, Dr S Kaliappan, **“Development of Neural Networks for Deep Learning provides optimized prostate cancer diagnosis along with precise and early detection capabilities”**, *Journal of Information Systems Engineering and Management*, 147-157, 2025, 10(35s), **Q4**, h index-11, Impact factor -3.6, ISSN - (SJR) SCImago Journal Rank is 0.195, ISBN: 2468-4376.
9. Dr. Chetan Chauhan, Dr. M. Balaji, Azmeera Srinivas, Abhay Chaturvedi, Dr. Shilpa P, Mohit Tiwari, **“Enhanced Cyber-Physical System Security: A Model Checking Approach using UPPAAL for OT-Specific Applications”**, *Journal of Information Systems Engineering and Management*, 379-389, 2025, 10(36s), **Q4**, h index-11, Impact factor -3.6, ISSN - (SJR) SCImago Journal Rank is 0.195, ISBN:2468-4376.
10. Arun Raj S r, Dr G Ramana Murthy, Dr Shilpa P, Naduvathezhath Nessariose Jose, Shameem Ansar, P Venkateswarlu Reddy, **“Finger Vein –Based Biometric key Generation with post-quantum Encryption and optimized magnetized Hopfield global neural network”**, *International Journal of Applied Mathematics*, Vol. 38(15), 2025, **Q3**, h index-12, Impact factor -1.2, ISSN - (SJR) SCImago Journal Rank is 0.304, ISSN 1311-1728.

Conference Attended

| Capacity Building | International | National | Communication & Collaboration |
|-------------------|---------------|----------|-------------------------------|
| Conference | 5 | 6 | 11-Presentations |
| Workshop | - | 2 | Participation |
| Symposium | 1 | 1 | Participation |
| Seminar | - | 3 | Participation |
| FDP | - | 24 | Participation |
| Webinar | - | 3 | Participation |
| STC | | | Participation |

Awards

Faculty Excellence Award for Achieving 100% result in the subject Engineering Mathematics-II in RLJIT, Doddaballapur

Academic Activity

Teaching - Courses Taught:

For UG (B.Sc./B.Tech/B.E):

Ordinary and Partial Differential Equations
Vector Calculus
Linear Algebra
Laplace Transforms
Integral Transforms
Advanced Numerical Analysis
Discrete Mathematics
Analytical Skills
Graph Theory

For PG (M.Sc)

Soft Core Paper
Labs

Contact Details

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