FACULTY DETAILS
Faculty Name:
RASHMI S.B.   **Assistant professor, Department of Mathematics**
Education Details:

- M.Sc. (Mathematics)
- B.Ed. (PM method)
- Ph.D. (Graph Theory)

Contact Details

Email ID: rashmirajmsc@gmail.com

Google Scholar ID: https://scholar.google.com/citations?hl=en&user=cyvaZNsAAAAJ

Professional Experience

Teaching Experience:

- **Working as Assistant professor in Mathematics Department, AIT from March 28th 2024 to till date.**
- **Worked as Assistant professor in Shridevi Institute of Engg & Technology, Tumkur from Sept 2009 to Sept 2022.**
- **Worked as First year Academic co-ordinator in SIET, from July 2019 to June 2020**

Publication Details:

1. Domination number of rooted product of graph $P_m \circ C_n$, Journal of Computer and Mathematical Sciences, Volume 7(9), 469-471, September 2016, ISSN No.0976-5727.

2. Total domination number of rooted product graph $P_m \circ C_n$, International Journal of Advanced research in Computer science, Volume 8, No.6, 150-152, July2017(Special Issue III) , ISSN No 0976-5697.

3. Signed domination in rooted product of a path with a cycle graph , International Journal of Mathematics trends and Technology, Volume 58, Issue-1,62-65, June 2018, ISSN No 2231- 5373, (UGC Approved).

4. Signed and Total signed dominating function of $P_m \circ S_{n+1}$, International Journal of Pure and Applied Mathematics, Volume 119, No.14 2018, 193-197 , ISSN No 1314 - 3395. (UGC Approved)

5. Curling number of rooted product of general graphs, Proceedings of the Mathematical Society 23(2020), No.2. pp209-221.

6. Unidominating function of rooted product of $P_m \circ P_n$, International Journal of Engineering, Science and Mathematics, Volume 9, Issue 1,164-175, January 2020, ISSN No2320-0294 (UGC Approved).

7. Unidominating function of a Cycle, International Journal of Mathematics Trends and Technology, Volume 66, Issue 1 January 2020. (UGC Approved).

8. Unidominating function of rooted product of $P_m \circ C_n$, International Journal of Engineering, Science and Mathematics, Volume 9, Issue 4, 69-85, April 2020, ISSN No.2320-0294 (UGC Approved).

9. k –Rooted product of Two Graphs, International Journal of Mathematics Trends and Technology, volume 67, Issue 3, 99-103, March 2021. ISSN: 2231-5373(UGC Approved).

Roles and Responsibility

- **Test co ordinator**
- Class Teacher
- Mentor

Professional body membership

- **Member of ISTE**

Achievements:

- Secured 1st Rank with two Gold medals in M.Sc. Mathematics during the year 2009

Ph D Guidance

-

Research Area of Interest

- Dominating functions

- Total dominating functions

- k-rooted product graphs