



Ms. Monalisa Jena

Designation: Assistant Professor

Qualification: MCA,

Date of Birth: 02.06.1988

Date of Joining: 04.06.2018

Tel: 8744993530; **Email:** monalisaj@rdwu.ac.in

ORCID: <http://orcid.org/0000-0001-7431-2814>

VIDWAN: <https://vidwan.inflibnet.ac.in/profile/378043>

WOS: [http://www.webofscience.com/wos/author/record/\[AAE-3882-2022\]](http://www.webofscience.com/wos/author/record/[AAE-3882-2022])

Area of Interest

Algorithms, Combinatorial Optimization, Graph Theory

Courses taught

Design and Analysis of Algorithms, Discrete Mathematics, C Programming, Compiler Design, Quantitative Technique & Logical Thinking.

Career

Assistant Professor (2018-present): Rama Devi Women's University, Bhubaneswar.

Teaching Experience

5 years

Research Experience

6 years

Administrative/Executive Experience (only prominent/statutory roles including membership of academic council/syndicate/board of studies. Avoid mere membership in committees)

Co-ordinator, AI & Robotics Center of Excellence, Rama Devi Women's University (March 2023-present)

OIC, Time Table, Rama Devi Women's University (July 2022-present)

OIC, GeM Portal, Rama Devi Women's University (July 2019-present)

Awards & Honors (including travel support award)

- Awarded TCS research fellowship for 5 years from July 2013- May 2018.
- TCS international travel grant to present the talk at the conference 'COCOA 2016', Hong Kong SAR, China.
- International travel support from Hausdorff Research Institute for Mathematics (HIM), Bonn, Germany to participate in the Summer School on Combinatorial Optimization in Bonn, 20 - 26 September 2015.
- Qualified UGC-NET in June 2015.
- Microsoft Research (MSR) travel allowance to attend the MSR Winter School 2012 at IIIT Hyderabad, India.
- Secured 99.15 percentile in GATE 2012.
- Secured 98.95 percentile in GATE 2011.

Research Guidance

✓ M.Sc thesis supervised : 14 (Fourteen)

Publications

Journal publications (Give the entire list of publication in Scopus/SCI-WoS/UGC care only)

1. Aurora, P., Jena, M. & Raman, R. Constant factor approximation for the weighted partial degree bounded edge packing problem. *J Comb Optim* **36**, 1243–1261 (2018). <https://doi.org/10.1007/s10878-017-0206-1>

Book/book chapter Publications (entire list of books/ book chapters)

1. Aurora, P., Jena, M., Raman, R. (2016). Constant Factor Approximation for the Weighted Partial Degree Bounded Edge Packing Problem. In: Chan, TH., Li, M., Wang, L. (eds) Combinatorial Optimization and Applications. COCOA 2016. Lecture Notes in Computer Science, vol 10043. Springer. https://doi.org/10.1007/978-3-319-48749-6_14

Participation in Conferences & Seminars (as invited/plenary/chair)

1. Resource person to the UGC autonomy seminar on “Introduction to Game Theory”, 23rd Oct 2021, Kendrapara Autonomous College, Odisha.
2. Resource person of the webinar on "Game Theory Basics", 30th October 2021, D.D. Autonomous College, Keonjhar, Odisha.