



Dr. Purna Chandra Sethi

Designation: Assistant Professor

Qualification: B.Tech, M.Tech, Ph.D

Date of Birth: 23.01.1984

Date of Joining: 22.06.2018

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<https://www.scopus.com/authid/detail.uri?authorId=54421104700>

Area of Interest

Network and Information Security, Network QoS, Algorithm

Courses taught

Theory of Computation, Compiler Design, Artificial Intelligence, Alliplied Cryptography, Database Systems, Computer Graphics

Career

Assistant Professor (2017-2018): BJB (A) College, Bhubaneswar (OES- Group (A))

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

Teaching Experience

15 years

Research Experience

3 years

Administrative/Executive Experience

1. OIC, WiFi, Rama Devi Women's University (September 2020-Present)
2. Coordinator- AI and Robotics Centre of Excellence, Rama Devi Women's University (March 2023-Present)
3. Coordinator, E-Learning Centre, Rama Devi Women's University (June 2022-Present)

Awards & Honors

- Awarded UGC National Fellowship (for Five years) to pursue Ph.D.
- Awarded UGC HRM Fellowship (for Two years) to pursue M.Tech.
- Qualified UGC-NET for June 2012, December 2012, and December 2013.

Research Guidance

- ✓ PhD thesis supervised : **00 (NIL)**
- ✓ M Tech/M.Phil thesis supervised : **04 (FOUR)**
- ✓ M.Sc thesis supervised : **31 (THIRTY ONE)**

Research Grants

S. No	Title of the project	Funding Agency	Amount	Sanction year & duration

Publications

Patents

Patent no.	Patent type	Patent title	Year of filing	Name of Inventor(s)	Status

Journal publications

1. Sethi, P.C., Sahu, N. & Behera, P.K. Group security using ECC. *Int. j. inf. tecnol.* **14**, 955–963 (2022). <https://doi.org/10.1007/s41870-021-00613-1>.

Book/book chapter Publications

1. Behera, Prafulla Kumar, and Purna Chandra Sethi, eds. *Digital Democracy–IT for Change: 53rd Annual Convention of the Computer Society of India, CSI 2020, Bhubaneswar, India, January 16–18, 2020, Revised Selected Papers*. Vol. 1372. Springer Nature, 2021.
2. Behera, Prafulla Kumar, and Purna Chandra Sethi, “Programming using C”, Kalyani Publisher, Ludhiana, ISSN- 9789353597863, 2019.
3. Behera, Prafulla Kumar, and Purna Chandra Sethi, “Programming in C++”, Kalyani Publisher, Ludhiana, ISSN- 9789327281378, 2017.
4. Dalei Direndra Kumar, Purna Chandra Sethi, and Jena Saumya Ranjan, “Degree Practical Mathematics”, Kalyani Publisher, Ludhiana, ISSN- 9789327276671, 2017.

Participation in Conferences & Seminars

1. Sahoo, Aradhana, Pratyasha Mohanty, and Purna Chandra Sethi. "Image Encryption Using RSA Algorithm." *Intelligent Systems: Proceedings of ICMIB 2021*. Singapore: Springer Nature Singapore, 2022. 641-652.
2. Sethi, Purna Chandra, and Prafulla Kumar Behera. "Dynamic Network Traffic Management for Secure and Faster Data Transmission." *Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies: ICoCIST 2021*. Singapore: Springer Nature Singapore, 2022.
3. Sethi, P.C.; Behera, P.K. Effective Online Teaching Learning during COVID-19 Pandemic. *J. Phys. Conf. Ser.* **2021**, *1797*, 012068.
4. Sethi, Purna Ch, and Prafulla Ku Behera. "Secure packet inspection using hierarchical pattern matching implemented using incremental clustering algorithm." *December-22-24, ICHPCA-2014 (IEEE International Conference)*. Vol. 9. 2014.
5. Sethi, Purna Chandra, and Chinmay Dash. "High impact event processing using incremental clustering in unsupervised feature space through genetic algorithm by selective repeat ARQ protocol." *2011 2nd International Conference on Computer and Communication Technology (ICCCT-2011)*. IEEE, 2011.

Other information(s)