# Mrs. Rosna P Haroon

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🌐 https://www.icet.ac.in/faculties/4/staff-profile

## Employment History

Oct 2022 – · · · · · · · ·  🔖 **HoD,** Department of Artificial Intelligence & Cyber Security, Ilahia College of Engineering and Technology

May 2009 – Oct 2022  🔖 **Assistant Professor,** Department of Computer Science & Engineering, Ilahia College of Engineering and Technology

June 2004 – Aug 2007  🔖 **Lecturer,** Department of Computer Science & Engineering, Federal Institute of Science and Technology

## Education

2007 – 2009  🔖 **Post Graduation, Cochin University of Science and Technology:** M.Tech in Computer Science and Information Systems
Thesis title: *Malayalam Word Sense Disambiguation*

1999 – 2003  🔖 **Under Graduation, Cochin University of Science and Technology:** B.Tech in Computer Science and Engineering.
Project title: *Virtual Class Room*.

## Research Publications

### Journal Articles

1. A. Jayalakshmi, K. Hadiya Muhammed, A. Wilson, M. Haleena, and R. P. Haroon, "Child tracking system-the c tracker,"

2. R. Raj and R. P. Haroon, "Dynamic query processing and optimization in relational complex databases with keyword search,"

3. T. THOMAS and R. P. HAROON, "Real time heart attack monitoring and its detection by incorporating the body signals using wwss in a cloud computing environment,"

4. R. P. Haroon *et al.,* "An efficient machine learning-based text summarization in the malayalam language.," *KSII Transactions on Internet & Information Systems*, vol. 16, no. 6, 2022.

5. M. RAHUL RAJ, R. P. Haroon, and N. Sobhana, "A novel extractive text summarization system with self-organizing map clustering and entity recognition," *Sādhanā*, vol. 45, pp. 1–18, 2020.

6. E. Ajmal and R. P. Haroon, "Maximal marginal relevance based malayalam text summarization with successive thresholds," *International Journal on Cybernetics & Informatics*, vol. 5, no. 2, pp. 349–56, 2016.

7. A. Joseph and R. P. Haroon, "A survey on plagiarism detection in documents," *Imperial Journal of Interdisciplinary Research*, vol. 3, no. 1, 2016.

8. E. Ajmal and P. Rosna, "Summarization of malayalam document using relevance of sentences," *Int. J. Latest Res. Eng. Technol*, vol. 1, pp. 8–13, 2015.

9. A. K. Abraham and R. P. Haroon, "An improved hashing method for the detection of image forgery," *IOSR J. Comput. Eng*, vol. 6, no. 5, pp. 13–19, 2014.

10. D. John and R. P. Haroon, "Selfish node isolation & incentivation using progressive thresholds," *International Journal on Network Security*, vol. 5, no. 1, p. 68, 2014.

11. O. Sabeena and R. P. Haroon, "Reversible data hiding in encrypted color images by reversing room before encryption with lsb method," *International Journal of Computational Engineering Research*, vol. 4, pp. 68–72, 2014.

12. B. B. Varghese and R. P. Haroon, "Reversible encrypted data hiding in encrypted video‖," *IOSR Journal of Computer Engineering (IOSR-JCE), 16 (1)*, pp. 71–82, 2014.

13. R. P. Haroon, "Word sense disambiguation-a survey," *Proceedings of the international colloquiums on computer electronics Electrical Mechanical and Civil,(EMC'11)*, pp. 58–60, 2011.

## Conference Proceedings

1. R. P. Haroon, A. Gafur, N. Ali, *et al.*, "An efficient text summarization using term and inverse frequency with key phrase identification in malayalam language," in *2021 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)*, IEEE, 2021, pp. 145–148.

2. R. P. Haroon, A. Linchu, E. Arun, *et al.*, "A deep learning based interlingua representation for malayalam documents," in *2020 IEEE International Conference for Innovation in Technology (INOCON)*, IEEE, 2020, pp. 1–5.

3. K. Thasni and R. P. Haroon, "Application of big data in health care with patient monitoring and future health prediction," in *Second International Conference on Computer Networks and Communication Technologies: ICCNCT 2019*, Springer, 2020, pp. 49–59.

4. S. Gopal and R. P. Haroon, "Malayalam word sense disambiguation using naïve bayes classifier," in *2016 International Conference on Advances in Human Machine Interaction (HMI)*, IEEE, 2016, pp. 1–4.

5. S. Gopal and R. P. Haroon, "Word sense disambiguation on dravidian languages: A survey," in *Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies*, 2016, pp. 1–5.

6. R. P. Haroon and T. Shaharban, "Malayalam machine translation using hybrid approach," in *2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT)*, IEEE, 2016, pp. 1013–1017.

7. M. R. Raj and R. P. Haroon, "Malayalam text summarization: Minimum spanning tree based graph reduction approach," in *2016 2nd International Conference on Advances in Computing, Communication, & Automation (ICACCA)(Fall)*, IEEE, 2016, pp. 1–5.

8. T. Shaharban and R. P. Haroon, "A study on malayalam machine translation," in *Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies*, 2016, pp. 1–6.

9. T. Shaharban and R. P. Haroon, "Pragmatic analysis of malayalam sentences," in *2016 International Conference on Inventive Computation Technologies (ICICT)*, IEEE, vol. 3, 2016, pp. 1–5.

10. E. Ajmal and R. P. Haroon, "An extractive malayalam document summarization based on graph theoretic approach," in *2015 Fifth International Conference on e-Learning (econf)*, IEEE, 2015, pp. 237–240.

11. R. P. Haroon, "Malayalam word sense disambiguation," in *2010 IEEE international conference on computational intelligence and computing research*, IEEE, 2010, pp. 1–4.

## Skills

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|---|---|---|
| Languages | ■ | Strong reading, writing and speaking competencies for English and Malayalam |
| Coding | ■ | C, Python, LaTeX |

# Skills (continued)

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| Databases | 🔖 MySQL |
| Misc. | 🔖 Academic research, teaching, training, consultation, LaTeX typesetting and publishing. |

# Miscellaneous Experience

## Awards and Achievements

2021 🔖 **Best Faculty Award**, 2021, Ilahia College of Engineering and Technology.

## Certification/Affiliation

2020 Feb– 2020 April 🔖 **Certification. NPTL:** Deep Learning.

## Seminars

2023 🔖 **Resource Person,Academic Outcome-Mapping and attainment, in March 2023**, Ilahia Arts and Science College,Muvattupuzha.

## Workshops

🔖 **Resource Person,Hands on Workshop on poster design in LateX in April 2023**, Ilahia College of Engineering and Technology.

🔖 **Resource Person,The art of authoring and publication of academic books, in March 2023**, Ilahia College of Engineering and Technology.

🔖 **Resource Person,NBA implementation in the campus, in Jan 2023**, Ilahia Polytechnic,Muvattupuzha.

## Conferences

🔖 **Coordinator,IEEE Conference,2023**, Ilahia College of Engineering and Technology.

2022 🔖 **Reviewer,IEEE Conference, December 2022**, IIITM,Gwaliyor.

🔖 **Reviewer,IEEE Conference SETIT, March 2022**, Genoa,Italy.

## Presentation/Poster Presentation

🔖 **Text Summarization using TF-IDF and Keyphrase Identification**, WIECON(IEEE),University of Dhaka, Bangladesh.

## Duties/Responsibilities

2023 🔖 **R & D Coordinator**
🔖 **Staff Grievance Redressal Cell Convener**
🔖 **Faculty Coordinator, Kochi Water Metro project**
2022 🔖 **NBA central coordinator**
🔖 **MTech coordinator,CSE**
🔖 **Student Grievance Redressal Cell Convener**

## Miscellaneous Experience (continued)

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| | ▉ | **Women cell and Internal Compliance Convener** |
| | ▉ | **Faculty Coordinator, University of Dubai Project** |
| 2021 | ▉ | **Graduation ceremony coordinator for past 8 years** |
| 2018 | ▉ | **Technical festival Obsqura-coordinator** |

## References

**Dr. K. A. Navas**
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