

Dr.R.Deeptha, M.Tech., Ph.D.

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Dr.R.Deeptha is working as an Assistant Professor in the Department of IT at SRMIST,Ramapuram. She secured a gold medal in B. Tech. in Information Technology at Madha Engineering College, Affiliated to University of Madras, Chennai, Tamilnadu, India. She has secured University fourth rank in Master of Technology in Information Technology at Sathyabama University, Chennai, India. She Pursued Ph.D. in the field of Cyber Security at Hindustan Institute of Technology and Science, Chennai, India. She is in teaching profession for more than 10 years. She has presented number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Cyber Security, Artificial Intelligence.

Selected Publications:

Web of Science/SCI

1. **Deeptha, R.** Sujatha, K., Sasirekha, D., Neelaveni, R. and Pavithraguru, R. (2023). Website Vulnerability Scanner. *Journal of Population Therapeutics & Clinical Pharmacology*. 30(15): e43-e53. DOI: 10.47750/jptcp.2023.30.15.005. **[Impact Factor: 0.35]**
2. Rani, R.M., Kavitha, R. and **Deeptha, R.** (2022). Analysis of Human Activities in Smart Home using Abnormal Activity Recognition Algorithm (AAR) and Visualization Techniques. *International Journal of Early Childhood Special Education*. 14(5): 749-761. ISSN: 1308-5581. DOI:10.9756/INTJECSE/V14I5.74. **[Impact Factor: 0.286]**
3. **Deeptha, R.** and Rajeswari Mukesh. (2018). Extending OpenID Connect Towards Mission Critical Applications. *Cybernetics and Information Technologies*. 18(3): 93-110. (ISSN (Print): 1311-9702, ISSN (Online): 1314-4081). DOI: 10.2478/cait-2018-0041 **[Impact Factor: 1.75]**
4. **Deeptha, R.** and Rajeswari Mukesh. (2017). The Preliminary Investigation of SSO Protocol for the Suitability of Mission Critical Applications. *Indian Journal of Science and Technology*. 10(42):1-10. (ISSN (Print): 0974-6846, ISSN (Online): 0974-5645) **[Impact Factor: 1.596]**

Patents:

- **UK Patent Grant** with Design Number: 6297329 on “Device for Production of Cancer Vaccines” received grant on 25.07.2023.
- **Indian Patent Grant** with Design Number: 380827-001 on “IOT based Walking Stick for Visually Impaired” on 18.05.2023.
- **Indian Innovation Patent** published with Application Number: 202241002512 on “Cardiovascular Disease Prediction System using Machine Learning” on 28.01.2022.

- **Indian Innovation Patent** published with Application Number: 202241002106 on “Artificial Intelligent and Open CV based intelligent Bird Journeys Tracking and migration forecasts in real-time using Python Language” on 28.01.2022.
- **Australian Innovation Patent** published with Application Number: 2021104897 on “Natural Language Processing Based Hate Speech Recognition by Using Discrete Feed Forward Perceptron Neural Network” in August 2021.

Books/Book Chapters Published:

- Authored a book on “**Cyber Security**” which is published by Lambert Academic Publications in December 2021. (ISBN: 978-620-4-73105-6)
- Co-Authored a book on “**Artificial Intelligence: A Modern Approach**” which is published by Notion Publications in December 2021. (ISBN: 9798885300438)
- Co-Authored a book on “**Compiler Design**” prepared with reference to Anna University 2017 Regulations released by Charulatha Publications, Chennai in April 2021. (ISBN: 978-93-90614-53-0)

Professional Bodies:

Member – ISTE

Google Scholar:

<https://scholar.google.com/citations?hl=en&user=huFV4OcAAAAJ>

LinkedIn:

<https://www.linkedin.com/in/dr-deeptha-ramamurthi-80354718>