i. Name :   :   Ms.K.NEELA

ii.Date of Birth   :   23/06/1988

iii.Unique id   :   SECT22IT06

iv. Education Qualifications: B.Tech, M.E,(Ph.D.,)

v. Work Experience   : 15.10Years

• Teaching   : 8.9Years

• Research   : -

• Industry   : 7.1yrs

• others   : -

vi. Area of Specialization: Computer Science

vii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate

Fundamentals of Computing,Mobile Communication, Computer Networks,Operating systems,Data structures and Algorithms,Distributed systems,Information Theory and Coding,Principles of Management,Air Pollution and Control Engineering,Computer Graphics and Multimedia,Software Engineering,programming in c,Problem solving in Python,Web Design.

viii. Research guidance

• No. of papers published in National/ International Journals/ Conferences

- MASTER:21
- Ph.D.-NIL

ix. Projects Carried out - Guided 22 Projects

x. Patents: 3

xi. Technology Transfer - NIL

xii. Research Publications - 18

1. Published the paper "Doctor Appointment Booking System Using Content Based Filtering Recommendation"in IJME_Vol7.1_572 January 2022.
2. K. Neela, J. G, S. Saranya and S. Subramaniam, "Structured Data Collection Algorithm for Wearable Device in IoT and WSN," *2022 6th International Conference on Intelligent Computing and Control Systems (ICICCS)*, Madurai, India, 2022, pp. 501-506, doi: 10.1109/ICICCS53718.2022.9788303

3. S. Kalaivani, G. Bharathasreeja, T. D. Subha, K. Neela, D. Kalaiselvi and P. V. Kumar, "Star Shaped Penta-Frequency Microstrip Radiating Element Design for X, C Band and Satellite Communication," *2022 6th International Conference on Trends in Electronics and Informatics (ICOEI)*, Tirunelveli, India, 2022, pp. 482-486, doi: 10.1109/ICOEI53556.2022.9776799

4. J. J. Hephzipah, T. D. Subha, K. Neela, Sushmitha and Anvitha, "Detection and Diagnosis of Meningioma Brain Tumors using Proposed CNN Architecture," *2022 International Conference on Inventive Computation Technologies (ICICT)*, Nepal, 2022, pp. 999-1004, doi: 10.1109/ICICT54344.2022.9850493.

5. .M. Panneerselvam, K. Neela, R. Rajeshwari, M. Vengadapathiraj, S. Sobitha and V. Mohanavel, "A Novel Approach to Identify the Anomaly Detection in Electricity usage based on Machine Learning Algorithms and Big Data," *2022 3rd International Conference on Smart Electronics and Communication (ICOSEC)*, Trichy, India, 2022, pp. 1393-1400, doi: 10.1109/ICOSEC54921.2022.9952098

6. C. Geetha, M. Gomathi, A. Jayalakshmi, K. Neela and S. I. Sherly, "A Novel Methodology to Identify Autism Disorder in Earlier Stages using Artificial Intelligence Assisted Hybrid Learning Scheme," *2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)*, Chennai, India, 2023, pp. 1-9, doi: 10.1109/ICSES60034.2023.10465373.

7. Blessy, K. Neela, A. Rajalakshmi, A. Joseph, C. Muralidharan and A. G, "A One-Dimensional Convolutional Neural Network and Long Short-Term Memory Model for Limb Movement Detection," *2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF)*, Chennai, India, 2023, pp. 1-8, doi: 10.1109/ICECONF57129.2023.10083919.

8. K. Neela and P. S. Rani, "Estimation of Meterological Drought Prediction by SPEI Using SVM," *2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)*, Chennai, India, 2023, pp. 1-6, doi: 10.1109/ICCEBS58601.2023.10448611.

9. N. K, D. D, T. R. M and N. B, "GAN-Generated Face Detection with Advanced Deep Neural Network Architectures and Pre-Processing Techniques," *2025 International Conference on Computing and Communication Technologies (ICCCT)*, Chennai, India, 2025, pp. 1-6, doi: 10.1109/ICCCT63501.2025.11020228.

10. N. K, S. S. Anand, S. Sankaran and M. Murugan, "Synaptic Prognosticator: Harnessing Deep Learning for Stroke Anticipation," *2025 International Conference on Computing and Communication Technologies (ICCCT)*, Chennai, India, 2025, pp. 1-6, doi: 10.1109/ICCCT63501.2025.11020369.

11. K. Neela, S. M. N and P. Binoy, "Intelligent Walking Stick for Visually Challenged," *2025 International Conference on Computing and Communication Technologies (ICCCT)*, Chennai, India, 2025, pp. 1-7, doi: 10.1109/ICCCT63501.2025.11019151.

12. P. S. Rani, K. Neela, P. Chandanavalli, A. B, S. K and V. S. R. R, "GenAI Workforce Evaluation System," *2025 International Conference on Computing and Communication Technologies (ICCCT)*, Chennai, India, 2025, pp. 1-5, doi: 10.1109/ICCCT63501.2025.11019305.

13. N. K, H. P and M. G, "Landslide Detection System Using Remote Sensed Image Classification," *2025 International Conference on Computing and Communication Technologies (ICCCT)*, Chennai, India, 2025, pp. 1-4, doi: 10.1109/ICCCT63501.2025.11020333.

14. N. K, B. R, H. M and V. RM, "Harnessing Android Application for Agricultural Equipment Rental System," *2025 International Conference on Computing and Communication Technologies (ICCCT)*, Chennai, India, 2025, pp. 1-5, doi: 10.1109/ICCCT63501.2025.11020135.

15. N. K, A. B and S. K, "Prediction of Chronic Kidney Disease Progression Using CNN Based Machine Learning Models," *2025 International Conference on Computing and Communication Technologies (ICCCT)*, Chennai, India, 2025, pp. 1-6, doi: 10.1109/ICCCT63501.2025.11020076.

16. K. Neela, S. H. Raj, A. C S G and J. R M, "Design and Implementation of Mixed Reality Visualization Models in Health Care Applications," *2025 International Conference on Computing and Communication Technologies (ICCCT)*, Chennai, India, 2025, pp. 1-5, doi: 10.1109/ICCCT63501.2025.11020465.

17. P. J. B. Pajila, G. Anand, K. Neela, M. Gowri, M. Karthikeyan and R. Nithyanandhan, "Academic Performance Evaluation Using Data Engineering and Multi-Model Machine Learning System," *2024 International Conference on Smart Technologies for Sustainable Development Goals (ICSTSDG)*, Chennai - 600077, Tamil Nadu, India, 2024, pp. 1-6, doi: 10.1109/ICSTSDG61998.2024.11026445.

18. S. S, R. Jayasri, N. K, A. R, S. P. Raut and A. Amer, "ODLCP: A Novel Methodology to Predict Immune System Strength by Using Optimized Deep Learning and Classification Principle," *2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)*, Chennai, India, 2024, pp. 1-6, doi: 10.1109/ICSES63760.2024.10910798.

xiii. No. of Books published with details-NIL