Faculty Profile

Name   : Asha N
Designation   : Professor
Department   : MCA
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About me: Worked across CS/IS/MCA Departments at NIE and NIEIT (the earlier sister Institution) in various Institute level committees and positions (including as HOD). Part of BOS/ BOE Member in various institutions affiliated to VTU, JSSTU, and Mysore university and also autonomous institutions. Written a book titled "Visual Programming using VC++" in 2004 for KSOU students

Qualification:

B.E. (Mysore Univ.), MTech (VTU), Ph.D. (VTU, Belagavi)

Courses Taught: Problem solving using C, System Software, UNIX System Programming, Computer Organization, Introduction to UNIX/Unix and Shell Programming/Linux Shell Scripting, Discrete Mathematical Structures, Logic Design, C# and .NET, Computer Networks, Object Oriented Programming with JAVA, System Simulation and Modelling, Digital Electronics, Artificial Intelligence etc.

Publications:

Journal Publications :

Shwethashree G C, Manjula S, Prasanna Bantaganahalli Thimmappa, **Asha N (2026)**: "A Novel Multi-layer Architecture for Enhancing IoT-edge Security for Intrusion Detection and Network Performance Optimization", *International Journal of Intelligent Engineering and Systems, Vol.19, No.2, 2026.*

Shashikala B M, **Asha N**, Kirankumar Humse (2026): " Effective lung cancer detection in CT images using segmentation and Convolutional Neural Networks", *Journal of Integrated Science and Technology, 2026, 14(3), 1534.*

Annapurna V K, **Asha N**, K Paramesha, Shabana Sultana, Kirankumar Humse(2025): "Automated brain tumor detection in MRI images using CNN and ResNet architectures", *Journal of Integrated Science and Technology, 2026, 14(1),1504.*

Swathi S, Yogish H K, Deepa Yogish, **Asha N** "Credence Aware Data Aggregation for Wireless Sensor Networks", *Journal of Computer Science 2022, 18 (4): 297.305.*

Abhishek K L, Deepa Yogish , **Asha N** , Yogish H K, "Sentiment Analysis on Voice Data using Deep Learning" , *International Journal of Novel Research and Development, 2022, 7(4), 778-782.*

Saahil Bhatnagar, **Asha N**, "Web Scalar- Scale Your Own Website", *International Research Journal of Engineering and Technology, 2021,8(8).*

N Asha, G.R Rao, "EEMFRA: Energy Efficient Multi-Decisive Fuzzy-based Resource Allocation Mechanism in Cloud, *International Journal of Engineering Research & Technology, 2019, 8(7), 713-718.*

Book Chapters:

Asha N (2024): "Breast cancer data augmentation with detection using CNN model in Deep Learning", included in the Conference Serries "International Conference on Power Engineering and Intelligent Systems (PEIS)" held during March 16-17, 2024 at NIT, Uttarakhand and part of the book series "Lecture Notes in Electrical Engineering ((LNEE,volume 1246))".

N Asha, G Raghavendra Rao "Energy-Efficiency Driven Strategy for Resource Aggregation Based on Future Resource-Usage Inference in a Cloud Computing Environment", included in International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA) 2019 held at Goa during Aug 8-9, 2019 and part of the book series "Lecture Notes in Electrical Engineering ((LNEE,volume 643), Springer,Singapore .

Asha, N., Raghavendra Rao, G. (2019). MDRAA: A Multi-decisive Resource Allocation Approach to Enhance Energy Efficiency in a Cloud Computing Environment. included in the Advanced Informatics for Computing Research of the conference series ICAICR 2019 and part of the book series "Communications in Computer and Information Science", vol 1076. Springer, Singapore.

Other achievements:
- Have delivered an expert lecture on "Advanced Computer Networks" for the III Semester Computer Science students on 17-10-2025 @ Jsspda, JSSTU, Mysore.
- Was a resource person in a Student development Programme on "Advanced Shell Programming" for IV Semester CS students on 17-04-2024 @ Jss Polytechnic college, JSSTU, Mysore.
- Reviewed many publications as a part of in-house and other institutions Conferences including reputed Journals
- Evaluated as a judge in student project exhibition held @ VVCE, Mysore and other reputed institutions
- Member of Research Advisory Committee of JSSTU & Mysore university.