Name   : Dr. Harshavardhan Awari
Designation   : Sr. Assistant Professor
Department   : CSE
Mail . ID   : harshavardhan_a@vnrvjiet.in

Experience (in years): Teaching: 18   Research: 10 Others (if any, specify): Industry: 0 Years

1.Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	B. Tech	2004	CSE
2.	M.Tech.	2008	CSE
3	Ph.D	2021	CSE

2. Teaching and Learning:
2.1. Teaching Interests: Design and Analysis of Algorithms, Java Programming, Software Engineering, Design Patterns, Linux Programming, Unix Network Programming, Mobile Computing, Operating Systems, Image Processing, Distributed Operating system.
2.2. Novel Teaching & Learning Techniques adopted: Blooms Taxonomy, WIT & WIL, PPT's, and online mode of Teaching
2.3. Involvement in curriculum updating / Design:

3. Co-curricular and Extra-Curricular Activities
3.1. Interests and Hobbies:
- Counseling students who are lagging in academics.
- Motivate students who have less confidence on them to improve their confidence levels.
- Interest to learn new technologies and activities
- Motivate students to involve in all activities and encourage them to participate in paper presentation to improve their skills

3.2. CCA/ECA Organized: NIL
3.3. CCA/ECA participated: NIL
3.4. Counseling and Mentoring Activity:
3.5. Committees involved in:
       Department level: Monthly Report Maintenance
       Institute Level: Nil

4. Conference / Workshop / Seminar / Guest Lectures:
4.1 Conducted
- A five day national workshop on "Machine Learning, Deep learning IoT Driven   Smart Applications" organizing in association with NITW from 28.03.2022 to 01.04.2022.
- Organized a guest lecture on Exciting Prospects of IoT world by Vemuri venkata ramana garu, founder and director I4 Virtual Grid on 25/03/2022 .
- Organized a guest lecture on Finding Vulnerabilities in your devices security by   Dr. M.Raja Sekar garu, HOD of Department CSE (CYS, AIDS & DS), VNRVJIET, Hyderabad on 05/07/2022

- Organized a two day national level workshop on "National Network Security Championship"
- Organized a two day national level workshop on "Research Issues Future Trends and Patentable Areas in Cloud Computing"
- Organized a two day national level workshop on "Numerical Methods Using MATLAB "
- Organized a two day national level workshop on "Block Chain Technologies "

4.2. Attended

Attended 50+ various workshops at institution and university level

- Participated in the Five day Faculty development programme "Platforms & System Security in Cyberspace" from 30.01.2023 to 04.02.2023 organized by VNR Vignanjyothi Istitute of Engineering and Technology,
- Participatd in the 30 days Faculty development programme "Image Processing using open CV" from 12.10.2022 to 11.11.2022 organized by PanTech Learning In association with APSSDC.
- Participated in the Six day Faculty development programme "Communication Systems using Machine Learning" from 14.03.2022 to 19.03.2022 organized by Annamacharya Institute of Technology & Sciences.
- Participated in the Five day national Faculty development programme "Artificial Intelligence" sponsored by ATAL and organized by Dept. of CSE, Amity University, from 11-01-2021 to 15-01.2021
- Participated in the Five day national level Faculty development programme "Immersive Virtual Reality" sponsored by ATAL and organized by Dept. of CSE, S R Engineering College from 04-01-2021 to 08-01-2021.
- Participated in the Five day national level Faculty development programme in "AI-Using python." Brainovision Solutions India Pvt. Ltd. from 14-08-2020 to 19-08-2020.
- Participated in the Five day national level Faculty development programme in "Design Thinking FDP." Organized by S.R.K.R Engineering College, Bhimavaram, from 24-08-2020 to 28-08-2020.
- Participated in the Six day national level Faculty development programme in "Software Project Management." Sponsored by IEEE and Organized by CHITKARA University. from 11-05-2020 to 16-05-2020
- Participated in the Two day national level Faculty development programme in "Online Tools & Software for Remote Teaching – Learning " Sponsored by UGC-HRDC and Organized by , JNTUH, Hyderabad. from 24-04-2020 to 25-04-2020
- Participated in the Six day national level Faculty development programme in "Advanced Research Methodology & Innovative Teaching Pedagogy " Organized by Tulasiramji Gaikwad-Patil College of Engineering & Tech

5. Academic Contribution and Research & Consultancy:
5.1. Invited Lectures:
1. Resource person for the "Industry Institute Integrated Technology Transfer_ (I3T2) (KGiSL Institute of Technology, Coimbatore) from 14-03-2022 to 19-03-2022.
2. Resource person for 3rd International Conference On Recent Trends In Engineering Technology And Management" at Christ the King Engineering College (CKEC), Coimbatore, Tamil Nadu, India on 6th & 7th May 2023.(ICRETM-2023)

5.2. Articles/Chapters published in Books: Nil
5.3. Books published as a single author or as editor: NIL
5.4. Projects Guided:
　　a) UG: 19
　　b) PG: 07
5.5. Research Interests: Machine Learning, Image Processing
5.6. Ph.D students:
a) Enrolled: Nil
　　b) Submitted: Nil
　　c) Awarded: Nil
5.7. Papers published in reviewed Journals:
Total No. of Papers published:37

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ ISSN No.	Impact Factor/ Citation Index	National/ International
1.	An automated learning model for sentiment analysis and data classification of Twitter data using balanced CA-SVM (SCI Indexed)	Concurrent Engineering , 29, 4 (December 2021), 386–395	1063-293X	1.038	International
2.	LSGDM with Biogeography-Based Optimization (BBO) Model for Healthcare Applications (SCI Indexed)	Journal of Healthcare Engineering, vol. 2022, Article ID 2170839, 11 pages, 2022	2040-2295	2.682	International
3.	Iot based disease prediction using mapreduce and	Intelligent Automation & Soft Computing, vol. 34, no.2, pp. 1215–1230, 2022	1079-8587	3.04	International

	lsqn3 techniques(SCI Indexed)				
4.	Chaotic Salp Swarm Optimization-Based Energy-Aware VMP Technique for Cloud Data Centers (SCI Indexed)	Computational Intelligence and Neuroscience, vol. 2022, Article ID 4343476 ,9 pages , 2022	16875273	3.633	International
5.	Multilayer Stacked Probabilistic Belief Network-Based Brain Tumor Segmentation and Classification (SCI Indexed)	Int. J. Found. Comput. Sci. 33, 06n07 (September 2022), 559–582	0129-0541	1.3	International
6.	Three-dimensional dental image segmentation and classification using deep learning with tunicate swarm algorithm (SCI Indexed)	Expert Systems (November 2022)	1468-0394	2.812	International
7.	Deep learning modified neural networks with chicken swarm optimization-based lungs disease detection and severity classification(SCI Indexed)	J. Electron.Imag. 32,(May023) 062603-1 to 062603-19	1017-9909	1.006	International
8.	Brain Tumor Segmentation Methods – A Survey (Scopus Indexed)	Jour of Adv Research in Dynamical & Control Systems Volume 11 Issue 1	ISSN-1943-023X	-	International

9.	An Improved Brain Tumor Segmentation and Classification Method using SVM with various Kernels(Scopus Indexed)	Journal of international Pharmaceutical Research Volume 46 Issue 2	ISSN-1674-0440	-	International
10.	Design Mathods for Detecting Sensor Node Failure and Node Scheduling Scheme for WSN(Scopus Indexed)	International Journal of Engineering and Advanced Technology (IJEAT) Volume 09 Issue 1	ISSN-2249-8958	-	International
11.	Lifting wheelchair for limbless people(Scopus Indexed)	IOP Conf. Series: Materials Science and Engineering Volume 981 Issue 20	ISSN-17578981	-	International
12.	Security and Safety in Amazon EC2 Service – A Research on EC2 Service AMIs(Scopus Indexed)	nternational Journal of Innovative Technology and Exploring Engineering (IJITEE) Volume 8 Issue 6S4	ISSN-2278-3075	-	International
13.	Enhancements of Artificial Intelligence and Machine Learning(Scopus Indexed)	International Journal of Advanced Science and Technology Volume 28 Issue 17	ISSN-2005 - 4238	-	International
14.	Variation Analysis of Artificial Intelligence, Machine Learning and Advantages of Deep Architectures(Scopus Indexed)	International Journal of Advanced Science and Technology Volume 28 Issue 17	ISSN-2005 - 4238	-	International
15.	A Smart Neural Schema based Volitional	European Journal of Molecular & Clinical Medicine Volume 7 Issue 2	ISSN-2515-8260	-	International

S.No	Title of the Paper	Journal Name / Volume / Issue	ISSN		National/International
	Control for Paralysed People(Scopus Indexed)				
16.	Determining Interesting Rules for Many-Valued Concepts using Rule Mining – Information Gain(Scopus Indexed)	International Journal of Advanced Science and Technology Volume 29 Issue 10S	ISSN-3002-3011	-	International
17.	A Survey on Brain Tumor Segmentation Methods with the Remedial Approach(Scopus Indexed)	International Journal of Innovative Research in Science, Engineering and Technology Volume 6 Issue 6	ISSN-2319-8753	-	International
18.	Techniques Used For Clustering Data and Integrating Cluster Analysis Within Mathematical Programming(Scopus Indexed) (Scopus Indexed)	Journal Of Mechanics Of Continua and Mathematical Sciences Volume 14 Issue 6	ISSN-2454 - 7190 0973-8975	-	International
19.	Data exploration as a process of Knowledge finding and the role of mining Data towards information security(Scopus Indexed)	Journal Of Mechanics Of Continua and Mathematical Sciences Volume 15 Issue 6	ISSN-2454 - 7190 0973-8975	-	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period

1.	Deep Learning Algorithm For Brain Tumor Detection and Classification Using MRI Images(Scopus Indexed)	IEEE Conference International Conference on Applied Intelligence and Sustainable Computing (ICAISC-2023).	International	2023
2.	Music Genre Categorization using Machine learning Algorithms(Scopus Indexed)	IEEE Conference International Conference on Computational Intelligence and Computing Applications (ICCICA) Nagpur, India.	International	2022
3.	COVID-19 and SARS Virus Predictions from Chest X-ray Images Using a Deep Learning Model(Scopus Indexed)	Springer conference Data Engineering and Intelligent Computing ,Singapore,201.	International	2021
4.	3D Surface Measurement through Easy-snap Phase Shift Fringe Projection(Scopus Indexed)	Springer conference International Conference on Advanced Computing and Intelligent Engineering (ICACIE-2016)	International	2016
5.	Huge information security issues In view of quantum cryptography and protection with Confirmation	National Conference on Current Research Advancements in Computer Science(CRACS-17)	National	2017
6.	An Improved Brain Tumor Segmentation Method from MRI Brain Images(Scopus Indexed)	IEEE Conference International Conference On Emerging Computation and Information Technologies (ICECIT-2017)	International	2017

5.9. Sponsored research Projects: NIL

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1.					

2.				
3.				

6. Awards / Honors received:

- Received Best Faculty Award From (International Conference on Engineering and advancement in Technology(ICEAT) in association with Malla Reddy Institute of Engineering and Technology, Hyderabad on 8.07.2022
- Editorial Member for the Blue Eyes Intelligence Engineering and Sciences Publication
- Editorial Member for the Lattice Science Publication
- Reviewer for the Imaging Science Journal
- Reviewer for the ICCINS-2022
- Reviewer for the 4th International Conference on Machine Learning and Intelligent Systems
- Session Chair for the ICACECS2021 International Conference on Advances in Computer Engineering and Communication Systems(13.08.2021)
- Reviewer for the ICDECT 2021, 5 th International Conference on Data Engineering and Communication Technology
- Session Chair for 2nd International Conference On Engineering And Advancement In Technology 2021,16th & 17th July 2021.(ICEAT 2021)
- Session Chair for 11th International Conference on Science and Innovative Engineering 2021 on 2nd May,2021
- Session Chair for 9th International Conference On "Contemporary Engineering And Technology – 2021" (ICCET – 2021) April 10th- 11th, 2021
- Resource person for the "Industry Institute Integrated Technology Transfer_ (I3T2) (KGiSL Institute of Technology, Coimbatore) from 14-03-2022 to 19-03-2022
- Session chair for the 2nd International Conference on Recent Trends In Engineering Technology And Management" at on 6th & 7th May 2022. organized by Christ the King Engineering College (CKEC), Coimbatore, Tamil Nadu, INDIA
- PC member of 10th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2022) on June 18 - 19, 2022 organized by National Institute of Technology Mizoram
- Session chair for the 3rd International Conference on Engineering and Advancement in Technology 2022 organized by Malla Reddy Institute of Engineering and Technology ,Hyderabad on 8.07.2022
- Associate Editor-In-Chief for the journal Indian Journal of Image Processing and Recognition (IJIPR) for the academic year 2022-2023.
- Reviewer for Inderscience Publications Journal International Journel of Grid and Utility Computing.
- Reviewer for International Journal of Recent technology and Engineering(IJRTE) Journal.
- Reviewer for International Conference on Advanced Network Technologies and Intelligent Computing,22-24 DECEMBER, 2022, VARANASI, INDIA(Springer nature) (05.11.2022)

- Reviewer for ITPro-2022-10-0085,IT Professional IEEE
- Reviewer for the 2022 3rd International Symposium on Automation, Information and Computing (ISAIC 2022) is organized by Beijing Jiaotong University and will be held online during December 9-11, 2022. (11.11.2022)
- Reviewer for the International Journal of Engineering and Advanced Technology (IJEAT) journal
- Reviewer for Image Science Journal
- Reviewer for Springer Nature Scientific Reports (SNAPP)
- Reviewer for International Journal of Soft Computing and Engineering (IJSCE), Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP)
- Session chair for "3rd INTERNATIONAL CONFERENCE ON RECENT TRENDS IN ENGINEERING TECHNOLOGY AND MANAGEMENT" at Christ the King Engineering College (CKEC), Coimbatore, Tamil Nadu, India on 6th & 7th May 2023
- Session chair for "11th INTERNATIONAL CONFERENCE ON CONTEMPORARY ENGINEERING AND TECHNOLOGY"(ICCET-2023) at Prince Shri Venkateshwara Padmavathy Engineering College, Chennai, Tamil Nadu, INDIA on 1st & 2nd May 2023
- Reviewer for for the Inderscince Publisher International Journal of Computational Systems Engineering
- Reviewer for International Journal of Innovative Technology and Exploring Engineering (IJITEE), Blue Eyes Intelligence Engineering and Sciences Publication
- Member Advisory Committee during 2023 IEEE International Conference on Contemporary Computing and Communications (InC4) Organised by the Department of Computer Science and Engineering, CHRIST (Deemed to be University), Kengeri Campus, Bangalore -560 074 during April 21-22, 2023
- Reviewer for Internation Conference on Data Science and Network Engineering ICDSNE 2023 "Enhancing Road Safety: A system for detecting driver activity using Raspberry Pi and computer vision techniques with alcohol and noise sensors" organized by Dept. of Computer Science and Engineering, National Institute of Technology Agartala, Barjala, Jirania, Tripura, India from 02-03, June 2023
- Reviewer for Inderscince Publisher for the International Journal of Electronic Marketing and Retailing
- Reviewer for International Conference on Advances in Computer Engineering and Communication Systems (ICACECS-2023) Springer conference
- Reviewer for 5th International Conference on Machine Learning and Intelligent Systems (MLIS 2023)
- Best **Elsdm** (eLearning Solutions and Two Way HD delivery Mechanism for Teachers and Students) **Coordinator** of SR Engineering College for the academic year 2014-2015.
- **First Prize of Best Overall Conceptual Design** in **"IUCEE EPICS Design Thinking Course"** from august 2017 to January 2018.
- Certification of **Appreciation from SWAYAM NPTEL** for instrumental role as SPOC for the SWAYAM NPTEL Local chapter.

- Session Chair for conference INTERNATIONAL CONFERENCE ON SCIENCE AND INNOVATIVE ENGINEERING 2020 (ICSIE) held at Chennai, India on 06th September 2020.

7. Motto: Education is a commitment to excellence in Teaching and Learning.