



Malnad College of Engineering, Hassan

(An Autonomous Institute, Affiliated to V.T.U, Belagavi)

Faculty Biodata

GENERAL INFORMATION AND ACADEMIC BACKGROUND

PART-A

1.	Name	SWATHI H Y
2.	Qualification	B.E., M.Tech
3.	Date of joining the service at MCE	09-11-2016
4.	Department	Electronics and Communication Engineering
5.	Current Designation & Experience in MCE	Assistant Professor & 7 Years
6.	Teaching Experience:	13 Years
Research Experience (in Years)		
7.	a) Total Number of years b) Years spent in M. Phil. / Ph.D. c) Years of Guiding Ph.D. / M. Phil. d) Total No. of papers Published in i. International Journals ii. National Journals iii. Conference Proceedings e) Total No. of Conferences/Seminar/Workshop Attended i. International ii. National iii. State Level	07 07 NIL 05 NIL 02 NIL 07 08
8.	Awards /Prizes/ Honor's / Recognitions	Best paper Award for "Hybrid Feature-Assisted Neural Model for Crowd Behavior Analysis" in ICACI 2020, GSSS Mysuru
9.	Fields of Specialization under the Subject / Discipline	DECS
10.	Orientation/Refresher Course/Summer School / Winter School/Workshops attended:	17

.PART-B

1. List of Publications:

1. Swathi, H. Y., and G. Shivakumar. "Audio-visual multi-modality driven hybrid feature learning model for crowd analysis and classification." Mathematical Biosciences and Engineering 20, no. 7 (2023): 12529-12561.
2. Swathi HY, Shivakumar G. Hybrid Feature-Assisted Neural Model for Crowd Behavior Analysis. SN Computer Science. 2021 Jul;2:1-1.
3. Swathi HY, Shivakumar G. Evolutionary computing assisted neural network for crowd behaviour classification. Neuroquantology. 2022;20:2848-55.
4. Tejonidhi MR, Sunitha MR, Swathi HY. A Survey on IOT-Middleware and Image Processing. In 2019 1st International Conference on Advances in Information Technology (ICAIT) 2019 Jul 25 (pp. 210-216). IEEE.
5. Kiran AG, Lakshmi JM, Nanditha BR, Swathi HY. Inter-departmental Student Projects Challenges and Benefits. Journal of Engineering Education Transformations. 2018 Jan 1;31(Special Issue).
6. Tejonidhi MR, Uma B, Swathi HY, Margaret RE, Vinod AM. Exemplary Faculty Mentoring Programme. Journal of Engineering Education Transformations. 2018 Jan 1;31(Special Issue).
7. Swathi HY, Shivakumar G, Mohana HS. Crowd behavior analysis: A survey. In 2017 international conference on recent advances in electronics and communication technology (ICRAECT) 2017 Mar 16 (pp. 169-178). IEEE.
8. "Performance Evaluation of Secured Cooperating Routing Protocol in CR-Ad-Hoc Networks", 6th National Conference, NCRTEC, page no: 142-148, May 2014.
9. "Heuristics Based Optimal Filtering of Malicious Traffic", 6th National Conference ,NCRTEC, page no:138-141,May 2014
10. "Efficient filter construction for access control in firewalls", in ISRASE, ISBN: 978-93-83083-89-3, Page No. 75, October 2014.
11. "Evaluation of Performance Dependency of MPI and PVM Based Parallel Applications on Broadcast Operation", at International Conference on Advanced Computer Theory and Engineering (ICACTE 2014), ISBN – 978-3-643-24819-03, on 18th May.
12. "A Guide to Grant Proposal Writing", 4rd International Conference on Transformations in Engineering Education, published in Journal of "Engineering Education Transformations" Jan 2017.

2. Awards

Received best paper award for the paper "Hybrid Features Assisted Neural Model for Crowd Behaviour Analysis", in 2nd international conference on Advanced Computational Intelligence (ICACI-2020) organized by IQAC at GSSS Institute of Engineering and Technology for Women, Mysuru on 15th and 16th December 2020.

3. Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty development Programmes IS IT CONDUCTED OR ATTENDED

Workshops Attended:

Sl. No.	Name of Course/Summer/Winter School	Place	Duration	Sponsoring Agency
1.	Gaining Insight into data science and data Analytics	MCE, Hassan	15 th to 27 th July 2019	AICTE
2.	Green, Smart, 5G Technologies	MCE, Hassan	9 th to 21 th December 2019	AICTE
3.	Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education"	Online	5 th to 9 th October 2020	AICTE
4.	Computer Science & Biology	Online	19 th to 23 rd January 2021	AICTE(ATAL)
5.	Linear algebra and its applications	MCE, Hassan	2 nd and 3 rd December 2016	TEQIP-II
6.	Virtual Laboratory	MCE, Hassan	16 th February 2017	TEQIP-II
7.	Innovative Teaching Methodologies	MCE, Hassan	10 th to 12 th March 2017	TEQIP-II
8.	Hands on training on Cadence VLSI design tool	MCE, Hassan	18 th and 19 th March 2017	TEQIP-II
9.	Image Processing and Pattern Recognition Techniques	MCE, Hassan	24 th to 26 th March 2017	TEQIP-II
10.	MEMS and MOEMS	MCE, Hassan	30 th April to 4 th May 2018	TEQIP-II
11.	Machine Learning	MCE, Hassan	28 th June to 2 nd July 2018	TEQIP-II
12.	Outcome Based Education	Heritage, Organized by MCE Hassan	4 th and 5 th August 2018	TEQIP-II

13.	Training the Proctors for Effective Counselling	MCE, Hassan	23 rd March 2019	TEQIP-II
14.	Feel Teacher	MCE, Hassan	2 nd Noember 2019	CLHRD Mangaluru
15.	Digital Signal, Image Processing and Pattern Recognition using SCILAB	PES University	27 th to 29 th September 2016	PES University
16.	Optimization Techniques for Machine Learning	Online	10 th to 15 th August 2020	IEEE Bangalore section, ISTE and SJBIT
17.	Quantum and Photonics	Online	29 th November to 3 rd December 2021	AICTE, MCE, Hassan

Workshops/FDPs Conducted:

1. Conducted one week FDP on “Machine Learning” sponsored by TEQIP-III organized in the Dept. of ECE, MCE, Hassan, from 28/06/2018 to 2/07/2018.
2. Conducted Two days workshop on “Machine Learning” sponsored by TEQIP-III organized in the Dept. of ECE, MCE, Hassan, on 29th and 30th September 2018.
4. **Responsibilities in the Department and Institute / University:** (DAC, DPC, BOS, BOE etc., Institutional Governance responsibilities like, Dean, Chief warden, Warden, HOD's, School/Centre Chairperson, IQAC Coordinator etc.)

Sl. No	Responsibilities
1.	Department Website Coordinator
2.	Department MERIISE Co-Coordinator
3.	BOS Member
4.	BOE Member
5.	Anti ragging Committee member
6.	Women Grievance Redressal Committee Member

