PROFILE

Name: Dr.Mrs.M.Henila
Qualification: MCA., B.Ed., P.G.D.C.S., M.Phil., SET., Ph.D.,
Designation: Assistant Professor, Head of the Department
Department: BCA
College: Ethiraj College for Women
Years of Experience: 22yrs
Area of Specialization: Machine Learning, Neural Networks
Mobile Number: 9884011955
Email-ID : henila_m@ethirajcollege.edu.in, henilakarvannan@yahoo.in
Portfolios held outside the College : Subject Expert in Faculty interview panels, and Board of Studies, Resource person for symposiums, Judge, and Question Paper setter, Reviewer in Springer Nature Journals

WORKSHOPS:

S.no.	Organized by	State/National/ International	Topic	Date(s)
1	Dr.Ambedkar Govt.Arts College	National	Improving Research Documentation with LaTeX	20/02/2017
2	Institute for Statistics and Analytical Research	National	Research Methodology, Statistical data Analysis and Interpretation	18/08/2017, 19/08/2017, 20/08/2017
3	Loyola College	International	Deep Learning for Computer Vision	02/09/2017, 03/09/2017
4	Ethiraj College for Women	State level	Work life balance	22/08/2017
5	Ethiraj College for Women	National	Data Science and machine learning with Python	01/02/2019. 02/02/2019
6	University of Madras , Guindy Campus	National	Deep Learning using Tensor Flow with Python	01/03/2019, 02/03/2019
7	Ethiraj College for Women	State level	Research insights, Publications and Proposal Strategies	10/07/2019
8	Ethiraj College for Women	State level	MOODLE Training Workshop	24/01/2020
9	Ethiraj College for Women	State level	Learning Management System and Open educational resources: A student-centric Approach	25/01/2020

10	Ethiraj College for Women	State level	Online workshop on working with MOODLE platform	07/07/2020, 08/07/2020
11	Institute for Statistics and Analytical Research	International	Multivariate Statistical Analytics and its interpretation using SPSS and AMOS	06/08/2020 to 08/08/2020
12	WCC	National	Machine Learning Using Python	22/01/2021-23/01/2021
13	IIIT Kottayam & ACM	International	AI-Driven IT automation with AIOPS	23/07/2022 – 24/07/2022
14	SRM Institute of Science and Technology	National	DEVops	16/06/2023 to 24/06/2023
15	WCC	International	International Workshop on Artificial Intelligence and Robotics	23/09/2023
16	Intellectual Property India	National	National Intellectual Property Awareness Mission	24/05/2023
17				

CONFERENCES ATTENDED / PRESENTED PAPER

S.no.	Organized by	State/National / International	Participated/Presented	Title	Date(s)
1	Loyola College – ICCS 2018 , International conference on Computing Sciences	International	Participated and Presented	Fruits classification using image processing techniques	16/11/2018, 17/11/2018
2	WCC – NCMCA 2019 , National conference on Mathematics and Computer Applications	National	Participated and Presented	A Novel thresholding Technique for digital image segmentation	29/01/2019, 30/01/2019
3	WCC – NCMCA 2020 , National conference on Mathematics and Computer Applications	National	Participated and Presented	Color image Segmentation using a novel thresholding algorithm	28/01/2020 29/01/2020

SEMINARS

S.no.	Organized by	State/National/International	Topic	Date(s)
1	Mar Gregorious College of arts and science	National	Recent trends in Computational research	25/01/2019
2	Dr.N.G.P. Institute of Technology	National	Mathematical Models in security, defence, cyber security & cyber defence	8/7/2022 – 9/7/2022

CERTIFICATE COURSES /VALUE ADDED COURSES

S.no.	Offered by	Topic	Duration
1	NPTEL	Computer Vision [IIT Karanghpur]	July 2019 to October 2019 – 12 weeks
2	NPTEL	Practical machine learning with Tensorflow [IIT Madras]	27th jan 2020 – 20th March 2020
3	NPTEL	Deep learning [IIT Karanghpur]	July 2020 – October 2020
4	NPTEL	Introduction to Machine Learning [IIT Madras]	July 2022 – September 2022 – 8 weeks

JOURNAL PUBLICATIONS

S.no.	Journal name	UGC /SCI/SCIE/ WOS	ISBN / ISSN number	Reference	Date of publication/ doi
1	IJARCS	UGC	ISSN:0976-5697	"Defect Identification in the Fruit Apple using K-Means Color Image Segmentation Algorithm." International Journal of Advanced Research in Computer Science 8.8 (2017):381-388.	Sept-Oct. 2017 . DOI:10. 26483/ijarcs.v8i8 .4735

2	IJCSE	UGC	ISSN:2347-2693	"Fruits Classification using Image Processing Techniques." International Journal of Computer Sciences and Engineering 7.5 (2019):131-135	March 2019 DOI:10.26438/ijcse/v7si5.131135
3	Soft Computing-SPRINGER	UGC, Scopus SCI and SCI expanded	**Print ISSN:** 1432 - 17643 **Online ISSN:** 1433-7479	"Apple Fruit Sorting using Novel Thresholding and Area Calculation Algorithms." Soft Computing, Springer 25.1(2020):431-445.	14/07/2020 Online Publication Jan 2021 issue DOI:10.1007/s00500-020-05158-2
4	Bulletin of Pure and Applied Science	UGC	**Print ISSN:** 0970-6577 **Online ISSN:** 2320-3226	"A Novel thresholding Technique for digital image segmentation"	December 2019
5	IET image processing	UGC, SCI and SCI expanded and scopus	**Print ISSN:** 1751-9659 **Online ISSN:** 1751 – 9667	"Segmentation using fuzzy cluster-based thresholding method for apple fruit sorting." IET Image Processing, 14.16(2021):4178-4187.	February 18th 2021 DOI:10.1049/iet-ipr.2020.0705

FDP/STTP

S.no.	Organized by	State/National/ International	Topic	Date(s)
1	Ethiraj College for Women	State	Research, Innovation and creativity	14/09/2019
2	NPTEL	National	Computer Vision	July 2019 to October 2019
3	NPTEL	National	Practical machine learning with Tensorflow	27th jan 2020 – 20th March 2020
4	Hindustan College of arts and science	National	Learning Management System : MOODLE	04/06/2020
5	NPTEL	National	Deep Learning	Sept 2020 – Dec 2020

6	CMR Engineering College with IIT Bombay spoken Tutorial	National	Python 3.4.3	08/06/2020 to 13/06/2020
7	Ethiraj College for Women	State	Open source learning platform:MOODLE	24/06/2020
8	Shashun Jain College	International	Recent trends in emergent technologies	17/02/2021 to 24/02/2021
9	Ethiraj College for Women	State	Research insights, Publications and Proposal Strategies	10/07/2019
10	NPTEL	National	Introduction to Machine Learning	July 2022 – Sept. 2022, 8 weeks
11	PPG College of Arts and Science	International	Emerging Technologies in Computer Science	19/12/2022 – 27/12/2022
12	PPG College of Arts and Science	International	Research Methodologies	12/12/2022 – 19/12/2022
13	Sathyabama Institute of Science and Technology	National	Recent Technologies	29/11/2022 – 06/12/2022
14	Dr.MGR Educational and Research Institute	National	Emerging Research trends in computing Technologies	28/11/2022 – 02/12/2022
15	SRM Institute of Science and Technology	International	Data Science: A revelation of the modern digital Era	29/08/2022 – 10/09/2022
16	Rajiv Gandhi Arts and Science College, MHRD , Brain-o-vision	International	Amazon Web Services	22/08/2022 – 27/08/2022
17	Marian College, KSHEC	National	Outcome based Education in computer science discipline	08/12/2022 – 15/12/2022
18	Sri Sai Ram Engineering College	National	Insights and Open challenges in Computing Technologies	11/07/2022 – 15/07/2022
19	Sree Saraswathi Thiyagaraja College	National	Emerging trends in Contemporary Technologies	07/07/2022 – 16/07/2022
20	Sri Sai Ram Institute of Technology	National	Exploring Augmented Reality/Virtual Realty using Unity Tool	11/07/2022 – 15/07/2022
21	VNR Vignana Jyothi Institute Of Engineering And Technology	National	Foundations of Data Science	02/08/2022 – 07/08/2022

22	DRK College of Engineering & Technology	National	Artificial Intelligence/ Machine Learning/ Deep Learning	20/02/2023 to 24/02/2023
23	St.Pauls College	National	Unleashing the Potential: Transforming Research Using Modern Tech-Tools	19/06/2023 to 23/06/2023
24	SRM Institute of Science and Technology	International	Teaching, Learning and Assessing in 2030	06/06/2023 to 23/06/2023
25	ES Arts and Science College	National	Research Trends and Research Issues in IT	29/05/2023 to 02/06/2023
26	Dr.MGR Educational and Research Institute	National	Emerging research trends in Block Chain & Data Science	08/05/2023 to 12/05/2023
27	Vallurapalli Nageshwara Rao Vignana Jyothi Institute of engineering and technology	National	LATEX – Migrate to LATEX from Word	04/04/2023 to 09/04/2023
28	Dr.SNS Rajalakshmi College of arts and science	National	Data Science Specialization using Python	19/06/2023 to 23/06/2023
29	Sathyabama Institute of science and technology	National	Empowering Educators: Navigating Recent Trends	25/07/2023 to 30/07/2023
30	SRM Institute of Science and Technology	National	Nine days National FDP on DEVOPS	16/06/2023 to 24/06/2023
31	SRM Institute of Science and Technology	National	FDP on Bridging the Gap Between Teaching and Learning Practice	30/10/203 to 01/11/2023

WEBINARS [National/International]

S.no.	Organized by	State/National/ International	Topic	Date(s)
1	Kalasalingam Institute of Technology	National	Applying convolution neural network – Deep learning	02/06/2020
2	Quiad-e-Milleth Government College for Women	National	Thingspeak cloud & IOT	02/06/2020
3	Jerusalem College of Engineering	National	Visionary Robots	03/06/2020
4	Joginpalli B.R. Engineering College	National	MATLAB interfaces with fuzzy logic interfaces	03/06/2020

5	University College of Engineering	National	Concepts in Machine learning using Python	05/06/2020
6	Bharathi Women's College	National	Python programming for IOT enabled biomedical applications	05/06/2020
7	Shathyabama Institute of Science and Technology	National	A machine learning approach for power management	06/06/2020
8	MLR Institute of Technology	National	Build your own Regression Model in Machine learning	06/06/2020
9	Gopalan College of Engineering and Management	National	Deep Learning and AI	07/06/2020
10	Ethiraj College for Women	National	Cloud Computing	15/06/2020
11	Quaid-e-milleth Government College for Women	International	Is BigData a Futuristic Saviour?	19/06/2020
12	Mathurangam Govt. Arts College	National	Deeplearning with Tensor and keras – Applicational approach	03/07/2020
13	Sarah Tucker College	National	Wavelets in Image Processing	23/06/2020
14	Loyola College	National	Research Methodology (Webinar series)	12/06/2020 & 13/06/2020
15	Hindustan Institute of Technology	National	Machine learning for Computer vision and industrial applications	26/06/2020
16	St.Alosius College	National	Machine learning and its applications	02/07/2020
17	Ethiraj College for Women	National	Understanding artificial intelligence tools, platforms and services	08/07/2020
18	Kamaraj College	International	Intelligent data analytics	11/08/2020 to 13/08/2020
19	University of Madras	International	From Monolith to Micro services	07/08/2020
20	University of Madras	International	Cloud SaaS evolution	14/08/2020
21	WCC	International	AI powered chatbox creation with oracle digital assistant	15/06/2020

22	National Institute of Technical teachers training and Research	International	Artificial Intelligence for Engineering Applications	5/7/2022
23	MEASI Institute of Information Technology	National	Information Security Challenges in an Open Networks Using AI	14/09/2022
24	Center for Web-based Learning, University of Madras	National	Myths and Truths about Web-based Learning	12/08/2022
25	Department of Network Systems and IT University of Madras	National	MHRD-RUSA 2.0 "Biomaterials"	19/09/2022
26	PPG College of Arts and Science	International	Emerging Technologies in Computer Science	19/12/2022 – 27/12/2022
27	Presidency University Bangalore	National	5-Days Tech Insight series – Navigating agriculture, Generative AI, Cryptography and IOT Revolution	12th, 16th, 23rd,25th, and 28th august 2023
28	Presidency University, Karnataka	National	Tools for Research Excellence	19/10/2023
29	ES Arts and Science College	International	Software testing and scope for future	20/10/2023