Curriculum Vitae

1. Name : Dr Sindhia Lingaswamy

2. Designation : Assistant Professor

3. Office Address : Department of CA ,

   NIT- Trichy

4. Telephone (Direct) (Optional):

   Telephone :   Extn (Optional):

   Mobile (Optional):

5. Email (Primary): sindhia@nitt.edu   Email (Secondary) : sindhias@gmail.com

6. Field(s) of Specialization : Computer Vision, Image Processing, Artificial Intelligence, Machine Learning

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT Trichy	Sept 2022	Present
Assistant Professor (Senior Grade)	VIT – Chennai Campus	June 2020	Sept 2022
Assistant Professor	BSA Crescent Institute of S&T, Chennai	June 2019	Jan 2020
Assistant Professor	Sri Shakthi IET, Coimbatore	June 2017	April 2019
Lecturer	Dhanalakshmi Srinivasan CET, Mamallapuram	June 2010	May 2011
Lecturer	Anand Institute of Higher Technology, Chennai	June 2008	June 2009
Lecturer	Hindustan College of Engineering, Chennai	July 2006	May 2008

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	Anna University – Madras Institute of Technology, Chennai	2019	NA	Computer Vision
M.E	Manonmaniam Sundaranar University, Tirunelveli	2006	First	Computer Science and Engineering
B.E	Arulmigu Kalasalingam College of Engineering, Madurai Kamaraj University	2004	First	Information Technology
HSC	State Board	2000	First	Maths - Biology
SSLC	State Board	1998	First	Maths, Science, Social Science

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2018	Tamil Shakthi	Malaysia Tamil Sangam, Kualampur

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work
   (i) Curriculum Development
   (ii) Courses taught at Postgraduate and Undergraduate levels
   (iii)Projects guided at Postgraduate level
     - Disease Prediction Using VGG-16
     - Smart home security using block chain
     - Automatic Music Generation using Deep Learning
     - Moving object detection and shape retrieval in surveillance videos
     - Detection of cyber bullying in social media to decrease perpetration and victimization
   (iv)Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International / National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
1 -5 Aug 2022	Designing and Modeling of IoT, AI and ML Systems	National	Participant	AICTE	Online
27- 29 June 2022	Advanced Latex	National	Participant	VIT - Chennai	Online
08 – 12 March 2021	Cognitive Machine Intelligence	National	Participant	VIT - Chennai	Online
28-30 Mar 2022	Usage of Digital Tools and Technology in Blended Learning	National	Participant	VIT - Chennai	Online
7 – 18 Feb 2022	Natural Language Processing	National	Participant	Electronics & ICT Academies	Online
23- 25 Feb 2022	Trends in Deep Learning for Speech, Image and Video Processing	National	Participant	SSN Engineering College	Online
02-06 Aug 2021	Use of GIS and Remote Sensing in Agriculture and Nature Environment	National	Participant	AICTE	Online
12- 16 July 2021	Cyber Security, Ethical Hacking and Cyber Crime	National	Participant	AICTE	Online
07-06-2021 to 11-06-2021	Applications of Computer in Biology	National	Participant	AICTE	Online
31- 05-2021 to	Recent Trends in Precision	National	Participant	AICTE	Online

04-06-2021	Agriculture				
02- 06 Nov 2020	Robotics	National	Participant	AICTE	Online
05 – 09 Oct 2020	Block Chain	National	Participant	AICTE	Online
31-08-2020 to 04-09-2020	Blended Learning and Flipped Classroom	National	Participant	AICTE	Online
04 – 08 May 2020	Data Science	National	Participant	AICTE	Online
11-05-2020 to 15-05-2020	Augmented Reality & Virtual Reality	National	Participant	AICTE	Online

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Virtual Industry Conclave	National	7, 8 th July 2022	Committee Member	Online
ICRTAC-AIT - 2020	International	17-18 Dec 2020	Core Committee Mamber	Online
ICITSD - 2021	International	27 – 29 Jan 2021	Reviewer	Online

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date

20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

 (A) Refereed Research Journals:

•   "Fruit-Fly Optimization Based Feature Integration in Image Retrieval", published in Journal of Mathematical Biosciences and Engineering (Scopus Indexed), Impact Factor: 2.08)

•   "Foreground Estimation via Structured Gaussian Scale Mixture Modeling", Published in Journal of Emerging Technologies and Innovative Research (UGC Approved journal).

•   "Brain Tumor Detection using MRI Images by Classification and Segmentation", Published in International Journal of Medical Science (UGC Approved Journal).

•   "An Efficient Moving Object Detection and Tracking System based on Fractional Derivative", Published in Multimedia Tools and Applications (Listed in Anna University Annexure I, Springer), Impact Factor: 1.541.

•   "Social Networking Media for Indian Students and Organizations: T-Forum", Published in International Journal for Science and Advance Research Technology (UGC Approved Journal).

•   "Visual Techniques using Visual Instance Based Detectors", Published in International Journal for Science and Advance Research in Technology (UGC Approved Journal).

• "Tracking of Objects using Color and Defined Spatio-Temporal Context Region", published in Journal of Advanced Research in Dynamical and Control Systems (Scopus Indexed Elsevier Journal), Impact Factor: 0.42.

• "MMCVS: A Marker-less Motion Capturing Techniques for Video Surveillance System", Published in International Journal of Printing, Packaging & Allied Sciences (Listed in Anna University Annexure I at the time of Publication), Impact Factor: 0.26.

(B) <u>Conferences/Workshops/Symposia</u> <u>Proceedings</u>

• " Drowsiness Detection system", Presented in National Conference on Advances in Information Technology and Computing - 2021, Sreenidhi Institute of Science and Technology (Autonomous), Hyderabad (Best Paper Award).

• " University News portal with Chatbot Support ", Presented in National Conference on Advances in Information Technology and Computing- 2021, Sreenidhi Institute of Science and Technology (Autonomous), Hyderabad (Best Paper Award).

• "Efficient Detection and Tracking of Multiple Moving Objects in Temporal Domain", Presented in International Conference of Recent Trends in Information Technology – 2016, Madras Institute of Technology, Anna University, Chennai and Published in IEEE Explore (Conference Proceedings).

• "Integration of Poses to Enhance the Shape of the Object Tracking from a Single View Video", Presented in Presented in International Conference of Recent Trends in Information Technology – 2014, Madras Institute of Technology, Anna University, Chennai and Published in IEEE Explore (Conference Proceedings).

• "An Advanced Technique to Detect and Recover the Tampered Images", Presented in National Conference -2006, SSN College of Engineering, Chennai, Sponsored by IEEE (Madras Section).

• "Multiple Sender Distributed Video Streaming", Presented in National Conference on Knowledge Management and Data Mining, PSNA College of Engineering & Technology, Sponsored by CSI (Trichy Chapter).

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number