THAMIRABHARANI ENGINEERING COLLEGE

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Chathirampudukulam, Chidambaranagar - Vepemkulam Road

Thatchanallur, Tirunelveli 627 358, Tamil Nadu.

FACULTY PROFILE

PERSONAL DETAILS

Name & Qualification	**M. Suganthi & M.E**
Designation	AP
Department	CSE
Total Teaching Experience	8.9
Total Research Experience	2.5
Total Industry Experience	0
Area of Specialization	Networks and Image processing
Email ID	sugi.mp@gmail.com

EDUCATION DETAILS

Degree	Branch/ Specialization	University	Year
UG	CSE	Anna University	2010
PG	CSE	Anna University	2012
Ph.D	ICE	Anna University	pursuing

RESEARCH / PUBLICATION DETAILS

Publications in Journal

1. "RECENT ADVANCES IN COLOR IMAGE DE-HAZING USING STRUCTURAL AND STATISTICAL FEATURES" has been published in Adalya Journal, Volume 9, Issue 2, Feb-2020.
2. "SINGLE COLOR IMAGE DE-HAZING USING DARK CHANNEL PRIOR" has been published in IJARSCT, Volume 2, Issue 3, Feb-2021.
3. "EFFICIENT AND RECENT ADVANCES FOR FACE SPOOFING DETECTION USING CONVOLUTIONAL NEURAL NETWORK BASED FEATURE EXTRACTION" has been published in JOURAL OF INFORMATION AND COMPUTATIONAL SCIENCE, Vol 14, Issue 2, 2021.
4. "COLOR IMAGE FINDING MASK BY COPY MOVE FORGERY DETECTION" has been published in IJARSE, Vol 10, Issue 6, June 2021.
5. A NOVEL TECHNIQUE FOR RANDOM NUMBER GENERATION USING CMOS IMAGE SENSOR, AIP CP Volume 2444 on 31 Mar 2022

Conference Proceedings

1. Presented and published the paper entitled "RECENT ADVANCES IN COLOR IMAGE DE-HAZING USING STRUCTURAL AND STATISTICAL FEATURES" in the two day international conference on Research Technology of Embedded System in Computer Science organized by Idhaya college for women, Kumbakonam held on Feb. 03rd & 04th 2020.

2. Presented and published the paper entitled "A SURVEY: FAST AND RECENT ADVANCES IN SINGLE COLOR IMAGE DEHAZING USING STRUCTURAL AND STATISTICAL FEATURES" in the National Conference on recent trends in Engineering and Technology on 14th Feb. 2020, PSN College of Engineering and Technology, Melathediyoor, Tirunelveli.

3. Presented and published the paper entitled "FACE SPOOFING DETECTION USING CONVOLUTIONAL NEURAL NETWORK BASED FEATURE EXTRACTION" in the International conference on Emerging Trends in Applications of computing on March 06-03-2020, organized by Department of Computer Science and Engineering, Francis Xavier Engineering college, at Tirunelveli.

4. Presented and published the paper entitled "SINGLE COLOR IMAGE DE-HAZING USING DARK CHANNEL PRIOR" in the two day national level E-Conference on Emerging Trends in Information Technology held on Feb. 11th & 12th 2021.

5. Presented and published the paper entitled "EFFICIENT AND RECENT ADVANCES FOR FACE SPOOFING DETECTION USING CONVOLUTIONAL NEURAL NETWORK BASED FEATURE EXTRACTION" in the International Conference on recent intelligent technology in science, on 26th Feb. 2021, Cheran College of Engineering, K.Paramathi, Karur.

6. Presented and published the paper entitled "A NOVEL TECHNIQUE FOR RANDOM NUMBER GENERATION USING CMOS IMAGE SENSOR" in the AICTE sponsored National online conference on Data Science and Intelligent Information Technology on 14th & 15th May 2021, organized by National Engineering College,K.R.Nagar, Kovilpatti.

7. Presented and published the paper entitled "AN APPLICATION FOR AGRICULTURAL MARKETING SYSTEM" in the International conference on ITDECC-21 on 17th & 18th May 2021, organized by SRM Institute of Science & Technology.

8. Presented and published the paper entitled "COLOR IMAGE FORGERY DETECTION BASED ON CONVOLUTION NEURAL NETWORK" in the International conference on ICCIBME-21 on 28th & 29h May 2021, organized by Panipat Institute of Engineering and Technology.

9. Presented and published the paper entitled "COLOR IMAGE FINDING MASK BY COPY MOVE FORGERY DETECTION" in the International conference on ICEAASET-21 on 02 July 2021, organized by Cheran College of Engineering, K. Paramathi, Karur.

10. Presented and published the paper entitled "A SURVEY: QUICK AND RECENT ADVANCE METHODS IN SINGLE COLOR IMAGE DE-HAZING" in the International conference on ICRIETMS-2022 HELD ON 24TH AND 25 TH MAR 2022.

11. Presented and published the paper entitled "A SURVEY: EFFICIENT AND METHOD FOR SINGLE IMAGE DE-HAZING" in the International conference on ICRTMREICT-2022 HELD ON 28 & 29 APR 2022.

Books / Chapters Published
Published the paper in BOOK entitled "A SURVEY:FAST AND RECENT ADVANCES IN SINGLE COLOR IMAGE DEHAZING USING STRUCTURAL AND STATISTICAL FEATURES BASED ON IQA" in RECENT CHALLENGES IN SCIENCE, ENGINEERING AND TECHNOLOGY.

Fund Received

Sl. No.	Sponsored Agency	Title of the Project	Period	Amount

Patent Applied / Published / Granted

	Patent Published – Application Number : 358475-001 **SOLAR WATER DISTILATION SYSTEM** **CBR Number : 213308** **CBR Date : 13/02/2022** **Published : 22/04/2022** **Page No. : 96**
CITATIONS	
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RESEARCH GUIDANCE DETAILS

Sl. No.	University	Supervisor ID / Reference

PROFESSIONAL SOCIETY MEMBERSHIP DETAILS

Sl. No.	Professional Society Name	Member ID
1	IARDO	**941**
2	IAENG	**279782**
3	IFERP	**PM09842617**

4	ASR	R219093327

FACULTY DEVELOPMENT PROGRAMME(FDP) ATTENDED / ORGANIZED

Sl. No.	Name of the FDP	Name and address of the venue	Year
1	Participated in the AICTE sponsored two weeks FACULTY DEVELOPMENT PROGRAMME on "Emerging Trends in Image Understanding and Pattern Recognition"	Organized by Francis Xavier Engineering College, Vannarapettai.	**2013**
2	Participated in a three day online Faculty Development Programme on "IMPROVING YOUR RESEARCH VISIBILITY – RESEARCH IMPACT AND METRICS"	By Velalar College of Engineering and Technology, during 11th to 13th May 2020.	**2020**
3	Participated in a five days AICTE ATAL FDP on "Artificial Intelligence"	By Birla Institute of Technology, during 25th to 29th Jan	**2021**
4	"ORGANIZATIONAL BEHAVIORAL DYNAMICS AND PROFESSIONAL ETHICS 2021 and "ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING APLLICATIONS IN ELECTRICAL ENGINEERING"	By CVR College of Engineering, during 9th to 13th AUG	**2021**
5	Participated in AICTE sponsored one week Online Short Term Training Programme on "APPLICATION OF DEEP LEARNING TECHNIQUES IN REMOTE SENSING FOR MONITORING"	By Sethu Institute of Technology from 01.02.2021 to 06.02.2021 & 08.02.2021 to 13.02.2021.	**2021**

ADDITIONAL RESPONSIBILITIES

Sl. No.	Responsibilities	Description	Year
1	Class Advisor	For final year	**2018**
2	Class Advisor	For Third Year	**2019**
3	Class Advisor	For final year	**2020**
4	Class Advisor	For Second Year	**2021**
5	In charge for You tube Channel	College You tube In charge	**2020**

6	In charge for You tube Channel	College You tube In charge	**2021**
7	In charge for You tube Channel	College You tube In charge	**2022**
8	Faculty Welfare Club Coordinator	College Club	**2018**
9	Faculty Welfare Club Coordinator	College Club	**2019**
10	Faculty Welfare Club Coordinator	College Club	**2020**
11	Faculty Welfare Club Coordinator	College Club	**2021**
12	Faculty Welfare Club Coordinator	College Club	**2022**
13	VAC Coordinator	In CSE Department	**2018**
14	VAC Coordinator	In CSE Department	**2019**
15	VAC Coordinator	In CSE Department	**2020**
16	VAC Coordinator	In CSE Department	**2021**
17	VAC Coordinator	In CSE Department	**2022**
18	Coordinator for national webinar on "JAVA WEB APPLICATIONS"	by Thamirabharani Engineering College on 24th NOV 2021.	**2021**

AWARDS / ACHIEVEMENTS

Sl. No.	Awards/ Achievements	Description	Year
1	Got 9 CGPA and placed FIRST in the I Semester	M.E Nov/Dec 2010	**2010**
2	Successfully completed a course on Programming in JAVA and secured A+ grade.	In Tandem, Tirunelveli	**2010**
3	Got the awarded for achieving 97.22% result	Nov/Dec 2012 Examination conducted by Anna University.	**2012**
4	Got 8th rank holder in PG	Anna University Chennai April/May 2012 Examination.	**2012**
5	Has attended Industrial Training	In WINWAYS on 20.04.2022	**2022**