

**Mrs.C.SUGANYA,**

**Address:** 10/30,Indirani Nagar,  
1<sup>st</sup> street,Muddakusalai, Madurai - 625016



**Mail ID:** [c.suganya@americancollege.edu](mailto:c.suganya@americancollege.edu)

**Ph no:** 7358834468, 9943234997

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### **CARRIER OBJECTIVE**

To strive for academic excellence and impart quality education with emphasis on Electronics and Communication Engineering.

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### **PROFESSIONAL CREDENTIALS**

<b>Course</b>	<b>Board /University</b>	<b>Name of the Institution</b>	<b>Year of Passing</b>	<b>%</b>
B.Ed., Maths	TNTEU	KAPI College of Education, Madurai	2022	86%
MBA (HR)	MKU	Madurai Kamaraj University, Madurai	2016	70%
<b>ME (Network Engineering)</b>	Anna University	Velammal College of Engineering & Technology -Madurai	2012-2014	84%
B.Tech (ECE)	Deemed University	Kalasalingam University, Virudhunagar	2012	68%
HSC (maths, Computer science)	Matriculation	SBOA-Madurai	2008	76%
SSLC	Matriculation	SBOA-Madurai	2006	78%

### **ACADEMIC EXPERIENCE:**

<b>PERIOD</b>	<b>POSITION HELD</b>	<b>ORGANISATION</b>	<b>YEARS</b>
17-08-22 to Till today	Assistant Professor	The American College Madurai	2 years 7 months
03-11-14 to 26-10-16	Assistant Professor	Bharath Niketan Engineering College-Aundipatty ,Theni	2 year 11 months

## ACADEMIC PERFORMANCES

Course Code	Name of the Course	Individual / Sharing	Pass Percentage
24BCA1200	Environmental Studies	Individual	100%
BCA3645	Internet Technology	Individual	95.2%
BCA2543	Dot Net Programming	Individual	75.6%
BCA2447	Dot Net Programming Laboratory	Individual	100%
CMC3657	Software Engineering	Individual	82.3%
BCA1241	Office Automation	Individual	100%
BCA2541	Data Structure Using C++	Sharing	65%
BCA2544	Computer Graphics	Individual	85.4%
BCA3646	Fundamentals of Mobile Computing	Individual	100%
BCA1242	Web Designing	Individual	100%
BCA1244	Multimedia Application & Technology	Individual	98.6%

PERIOD	COURSE	SEM	HANDLED SUBJECT	DEPT& YEAR	PERCENTAGE
APR/MAY 2015	ME	II	Wireless Communication Network	ECE(Communication System)- I	100%
NOV/DEC 2015	UG	VII	Wireless Communication	ECE- IV	82%
NOV/DEC 2015	ME	III	Network Management	ECE(Communication System)- II	100%
APR/MAY 2016	UG	IV	Communication Theory	ECE- II	87%
APR/MAY 2016	ME	II	Wireless Communication Network	ECE(Communication System)- I	100%
NOV/DEC 2015	UG	V	Transmissions Lines & Wave Guides	ECE-III	78%
NOV/DEC 2015	UG	III	Electronic Circuits-I	ECE-II	83%

## AREA OF INTEREST

- Wireless Networks
  - Computer communication network
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## PROJECTS UNDERTAKEN

### PG PROJECT

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<b>Topic</b>	<b>E-INEA Based Fast and Secure Re-authentication Protocols</b>
College	Vellammal College of Engineering & Technology
Period	June 2013-May 2014
Project type	Individual
Software	NS2(Network Simulator-2)
Description	The Objective is to ensure high Quality of Services about the handovers Heterogeneous networks (WLAN & WiMAX) with 3GPP subscribers

### UG PROJECT

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<b>Topic</b>	<b>Automated and secured configuration in enterprises network using IPv6</b>
Period	Jan 2012 – Apr 2012
Project type	Two members (Group)
Role	Team leader
Software	GNS-3 (Graphical Network Simulator Version3)
Description	To describe a network to build an optimized IPv6 addressing scheme and to Automatically generate the adequate security plan using encryption protocols

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### MINI PROJECTS in UG

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<b>Topic</b>	<b>Convergence of IPv4 to IPv6</b>
Team size	3
Description	The tunneling concept is proposed in this project to transmit IPv6 packet through IPv4 network that enables & achieves fully convergence In IPv6 network.

<b>Topic</b>	<b>Secured Wireless file transmission using hyper elliptic curve cryptography</b>
Team size	5
Description	The project aims at creating a wireless interface that enables transmission of Data files between two computers using zigbee wireless radio modems over a Secured a wireless communication chann

## PUBLICATIONS

### NATIONAL CONFERENCE

Sl.no	Title of the paper	Organiser	Publications/Sponsered	Date
1.	Design A Solar Roadways Using Renewable Energy Sources	PSR Engineering College –sivakasi	National Conference On Emerging Communication Trends(NCECT'15)	27 <sup>th</sup> March 2015
2.	Rtm Based Secure &Power Efficient Data Aggregation In Wireless Sensor Networks	Kalasalingam Institute of Technology Krishnankoil	National Conference On Advanced Research In VLSI And Microprocessor /Controller (ARIVAM'15)	26 <sup>th</sup> March 2015
3	Automated &secure configuration using IPv6	Sathyabama University chennai	National conference on computing concepts in current trends	29 <sup>th</sup> August 2013
4	Secure transmission of sensitive data using ciphers	Kalasalingam university virudhunagar	4 <sup>th</sup> national conference on communication systems and signal processing	19 <sup>th</sup> October 2013
5	The Next Generation WiMAX Technology	Kamaraj University madurai	National Conference on Contemporary Developments in Information and Communication CDICT-2014	23 <sup>rd</sup> January 2014

### INTERNATIONAL CONFERENCE

S.no	Title of the Paper	Organizer	Publications/Sponsored	Date
1	A Study about Performance of D2D Communication over 5G Technology	Sri Sai Ranganathan Engineering College, Coimbatore	International Conference on Innovative Engineering & Information Technology (ICIEIT' 2K23).	28 <sup>th</sup> & 29 <sup>th</sup> April 2023

2	Performance Evaluation Of D2D Communications Over 5G Technology by using GFD Protocol	The American College, Madurai	International Conference on Data Transformation ICDT'23	20 <sup>th</sup> & 21 <sup>st</sup> April 2023
3	Authentication Based Modern Electronic Voting Machine	VIT University-Vellore	12 <sup>th</sup> International Conference on Science, Engineering and Technology (ICSET 2016)	2 <sup>nd</sup> & 3 <sup>rd</sup> May
4	Efficiently Usage of NOC Routers By Using Buffers	Vedant College of Engineering & Technology Kota-Rajasthan	3 <sup>rd</sup> International Conference on Recent Trends in Engineering Science & Management	10 <sup>th</sup> April 2016
5	Deadlock free Datarouting in 2X2 Buffer Sharing Routers	Bharath Niketan Engineering College	International Conference on Current Advancements In Research & Practices In Emerging Technology	3 <sup>rd</sup> & 4 <sup>th</sup> March 2016
6	Handovers in WiMAX Technology	S.A engineering college Chennai	IEEE sponscered 4 <sup>th</sup> International Conference on Information , Communication and Embedded System	27 <sup>th</sup> & 28 <sup>th</sup> February 2014
7	Web Based service to Monitor Water flow level in various applications using sensors	Planetary Scientific Research Center - Malaysia (penang)	5 <sup>th</sup> International Conference on Computer science and Information Technology IJRET –ISSN22774378	13 <sup>th</sup> & 14 <sup>th</sup> January 2014
8	An Integration of Wireless Sensor Network through WiMAX for Agriculture Monitoring	Sri sakthi institute of engineering & technology-coimbatore	IEEE sponsored 4th International Conference on Computer Communication and Informatics (ICCCI 2014)	3 <sup>rd</sup> & 4 <sup>th</sup> January 2014
9	Smart grids with WiMAX technology by using re-authentication protocols in MITM attack	VIT Chennai campus, ISBN 978-93-82338-90-1 2013	International conference on mathematical computer engineering (ICMCE 2013)	29 <sup>th</sup> & 30 <sup>th</sup> 2013

10	Smart grids with WIMAX technology by using re-authentication protocols	IASTM (International association of science, technology & management)	2 <sup>nd</sup> international conference on computing, communication and sensor networks (CCSN-2013)	22 <sup>th</sup> to 24 <sup>th</sup> November 2013
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### INTERNATIONAL JOURNAL

Sl.no	Title of the paper	Organizer	Publications/sponsored	Date
1	Self-Supervised Learning: The Next Frontier in Machine Learning Trends	Scopus Indexed Journal	(ISSN 1660-6795) Nanotechnology Perceptions 20 No. S15 (DEC 2024) 1502-1509	DEC 2024
2	Improving the Performance Level of the Packet Based Communication of Network By Using 16*16 Multi Channel Routers	International Journal of Advanced Research in Electronics & Communication Engineering	(ISSN :2278-909X) volume 5 , Issue 6(JUNE 2016)	JUNE 2016
3	Efficiently Usage of NOC Routers By Using Buffers	International Journal of Electrical & Electronics Engineer	(ISSN :2321-2055) volume 8, Issue1 (JAN 2016)	JAN 2016
4	Dynamic selection of cluster head in networks for energy management	International Journal of Research in Engineering and Technology	(ISSN :2321-7308) volume 3, Issue 2 (FEB 2014)	22 <sup>nd</sup> April 2014
5	E-INEA Based fast and secure reauthentication in a multihop field	International Journal of Engineering Research and Technology	(ISSN :2278-0181) volume 2, Issue 11 (NOV 2013)	27 <sup>th</sup> November 2013

### SEMINARS ATTENDED

S.No	Title of the Seminar	Organized by	Date
1	1 Day Seminar on Innovations In Computational Intelligence	Ururu Dhanalakshmi College, Kattur, Trichy	13 <sup>th</sup> SEP 2024
2	International Seminar on "Digital Needs in Modern World"	Annai Fatima College, Madurai	26 <sup>th</sup> August 2023

3	International Seminar on Recent Trends in Computing Intelligence & Industry 4.0	Mannar Thirumalai Naicker College, Madurai	24 <sup>th</sup> March 2023
4	State Level Seminar “Intellectual Property Rights”	The American College, Satellite Campus	3 <sup>rd</sup> February 2023
5	National Level Seminar on Research Issues in Next Generation Satellite Communication	Sethu Institute Of Technology- Virudhunagar	17 <sup>th</sup> & 18 <sup>th</sup> March 2016
6	BSNL Networks	BSNL Madurai SSA	6 <sup>th</sup> & 7 <sup>th</sup> September 2013
7	Chemical graph theory	DRDO Sponsored Velammal College of Engineering Technology -Madurai	18 <sup>th</sup> & 19 <sup>th</sup> October 2012
8	Knowledge Discovery-Best practices with WEKA	Velammal College of Engineering Technology -Madurai	29 <sup>th</sup> September 2012
9	Wireless Networks	Kalasalingam University-Madurai	6 <sup>th</sup> September 2011

#### **FACULTY DEVELOPMENT PROGRAMME ATTENDED**

Sl.no	Title of the Program	Organized by	Date
1	Faculty Orientation Program (IQAC)	The American College, Madurai.	13 <sup>th</sup> SEP 2024
2	5 days Online FDP on Smart Intelligence: Cutting-Edge Trends and Practical Applications of AI	The American College, Madurai.	15 <sup>th</sup> – 19 <sup>th</sup> OCT 2024
3	2 Days National Level FDP on “Critical Pedagogy in Higher Education Curriculum”	The American College, Madurai.	17 <sup>th</sup> & 18 <sup>th</sup> JULY 2024
4	5Days Online FDP on “Emerging Trend in Data Analytics & Machine Learning”	Karunya University, Coimbatore	18 <sup>th</sup> to 22 <sup>nd</sup> SEP 2023
5	5Days National Level FDP on Outcome Based Education (OBE)	Mariam College, Kuttikanam	15 <sup>th</sup> to 20 <sup>th</sup> DEC 2023
6	2 Days Online National Level FDP on NEP - 2020	Yashwantrao Chavan College, Maharashtra	17 <sup>th</sup> & 18 <sup>th</sup> OCT 2022
7	Faculty Orientation Program (IQAC)	The American College, Madurai.	20 <sup>th</sup> SEP 2022
8	Faculty Development Program on Research Methodologies	Velammal College of Engineering & Technology - Madurai	12 <sup>th</sup> to 14 <sup>th</sup> March 2013

## WORKSHOP ATTENDED

Sl.no	Title of the Program	Organized by	Date
1	1 Day International Online Workshop on “Integrating ICT in Education: Teacher Effectiveness and Student Engagement”	The American College, Madurai	4 <sup>th</sup> NOV 2024
2	1 Week National Level Workshop on “Advanced Research Methodology Workshop”.	The American College, Madurai	From 30 <sup>th</sup> SEP 2024 to 7 <sup>th</sup> OCT 2024
3	National Workshop on “Mathematics & Statistics for Data Analytics”	The American College, Satellite Campus, Madurai	21 <sup>st</sup> & 22 <sup>nd</sup> JUNE 2023
4	State Level Workshop on “Machine Learning With Python”	The American College, Satellite Campus	15 <sup>th</sup> & 16 <sup>th</sup> MARCH 2023
5	Workshop on Arts & Science of methodical Scientific Writing & Publishing in a High Impact Journal	The American College, Madurai	6 <sup>th</sup> MARCH 2023
6	Two Days Workshop on Mining the Social Web	PSNA College of Engineering & Technology- Dindigul	29 <sup>th</sup> & 30 <sup>th</sup> March 2016
7	3 Days Workshop on “Convex Optimization and Random Processes for Wireless Communication”	Thiagarajar College of Engineering Madurai	5 <sup>th</sup> ,6 <sup>th</sup> & 7 <sup>th</sup> , March 2015.
8	Hands on training (NS2) Network Simulator -2	Kongu Engineering College Perundurai, Erode	28 <sup>th</sup> & 29 <sup>th</sup> September 2013
9	Advanced Networking & Technology	Karunya University Coimbatore	5 <sup>th</sup> & 6 <sup>th</sup> February 2010
10	Trends in Image Processing	Kalasalingam University Virudhunagar	12 <sup>th</sup> January 2010
11	Microprocessor & Controller	Thiagarajar College of Engineering Madurai	25 <sup>th</sup> November 2009
12	Semiconductors Micro to Nano	SSN College of Engineering & Technology Chennai	14 <sup>th</sup> & 15 <sup>th</sup> December 2009
13	Mobile Computing & Development Tools	Velammal College of Engineering & Technology Chennai	23 <sup>rd</sup> October 2009

## UNDERGONE INPLANT TRAINING

Sl.no	Company	Place	Topics covered	Year
1	BSNL	Chennai	2G,3G technologies	2010
2	HCL Infosys	chennai	Embedded systems	2010
3	TVS Sundaram Industries Limited	Madurai	PLC,CNC,Automated Weighing Machine	2009

## OTHER ACTIVITES

- Student member in ACM,ISTE
- Participated in 5days NSS special camp organized by the Department of ECE, Kalasalingam university- krishnankoil
- Attended one day NSS camp to Vallalar Illam(orphanage home) organized by the Department of ECE, Kalasalingam University- Krishnankoil
- Winner in Inter College Tournaments –Basket ball & Throw ball

## PERSONAL PROFILE

Name : Mrs.Suganya C  
Date of birth : 04/06/1991  
Sex : Female  
Nationality : Indian  
Marital Status : Married  
Permanent Address : 10/30 Indirani Nagar,1<sup>st</sup> street,  
Muddakusalai, Madurai-625016

### Declaration

I hereby declare that the above furnished details are true to the best of my knowledge.

Place: Madurai

Date:

(C. SUGANYA)