

Faculty Profile



Name : Dr. M. Subha
Designation : Assistant Professor (T)
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Erode District - 638312, Tamilnadu, India.
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Date of Joining in Collegiate Education : 16-06-2004
Date of Joining in the Present College : 07-03-2024
Academic Profile :

Degree	Institute/College	University	Period
Ph. D.	Mother Teresa Womens University, Kodaikanal.	Mother Teresa Womens University, Kodaikanal.	Feb 2007 – Jan 2012
M. Phil.	Vellalar College for Women, Erode.	Bharathiar University, Coimbatore.	Jun 2003 – Jun 2006
M. C. A.	Kongu Arts and Science College, Erode.	Bharathiar University, Coimbatore.	Jun 2001 – May 2003
B. Sc.	Vellalar College for Women, Erode.	Bharathiar University, Coimbatore.	Jun 1993 – Mar 1996

Teaching Experience :
i) **Total** : 16 Years
ii) **UG** : 16 Years
iii) **PG** : 07 Years

Name of the college	Position held	Period
Vellalar College for Women, Erode	Assistant Professor	Jun 2004 – Aug. 2012
Maharaja Co-education College of Arts and Science, Erode	HoD & Assistant Professor	Jun 2013 – April 2014
Theivanai Ammal College for Women,	HoD & Assistant	Jun 2015 – April 2016

Villupuram	Professor	
Dr. NGP Arts and Science College, Coimbatore	Assistant Professor	Jun 2016 – April 2018
K S Rangasamy College of Arts and Sciencr(Autonomous), Tiruchengode	Assistant Professor	Jun 2018 – April 2019
RD National Arts and Science College, Erode	HoD & Assistant Professor	Jun 2019 – Mar 2020
Excel College of Commerce and Science, Komarapalayam	HoD & Assistant Professor	Sep 2021 – Feb 2023
Chikkanna Government Arts College, Tirupur	Assistant Professor (T)	Mar 2023 – Till date

Honors and Research Awards : Best Teacher Award Given By Excel on 2022

Field of Interest :

- i) **Teaching** :
- ii) **Research** :
- iii) **Proficiency in instrumentation** :

Research Guidance : Ph. D. & M. Phil.

Guidance Number : Bharathiar University – 5476/ A2/ 2012

(If have more than one university, given them
against university name)

S. No	M.Phil/Ph. D	Name of the Student	Thesis Title	Completed/ongoing
1	M. Phil. (FT)	R. Priyanka Reg. No.: 2008R437	Performance Analysis of two reactive protocols based on multipath technique and intrusion detection of Sybil attack in MANET	Completed (V-V: 21.02.2011)
2	M. Phil. (PT)	G. Ruckmani Reg. No.: 2008PR146	Scaling the performance of mobile communication using partial interest model with social contract based on opportunistic cooperation technique	Completed (V-V: 10.05.2012)
3	M. Phil. (FT)	M. Manoranjani Reg. No.: 2010R510	Enhanced efficient geographic multicast routing protocol (EEGNRP) for Mobile	Completed (V-V: 22.04.2013)

			Adhoc Network	
4	M. Phil. (FT)	T. Revathi Reg. No.: 2010R514	Enhanced density aware collision free routing protocol by using backoff mechanism (EDACRP)	Completed (V-V: 26.04.2013)
5	M. Phil. (FT)	S. Srividhyaprabha Reg. No.: 2010R510	Optimistic self-balancing technique and localized power efficient routing protocol for wireless sensor network.	Completed (V-V: 22.07.2013)

Funded Projects : Nil

Membership in Professional Bodies :

S. No	Name of the Professional Body	Membership Detail with Number

Research Publications :

- i) Research Papers** : Enclosed Annexure – I
Attach paper list - with doi and http link of the Paper (Annexure – I)
- ii) Book/Book Chapters** : Details with ISBN number
- iii) Patent** : Nil

National and International Conferences : Enclosed Annexure – II

Attach separate list (Annexure – II)

- i) Participated** : 5
- ii) Paper Presented** : 20
- iii) Poster Presented** : Nil

Conference/ Seminars Organized : 05

1. Organized One Day National Seminar on “Recent Technologies in IT” on 27/10/2022 in Bimode.
2. Organized One-day Seminar on “Personality Development and Career Buildings”.
3. Organized Inter – Collegiate Meet on Nov. 2018.
4. Organized Inter- Collegiate Meet on 12th Sep.2013.
5. Organized various one-day Workshops like: Developing Communication Skill, Business Entrepreneurship Skills Training, 2D & 3D Animations, Case Tools, etc.

Workshop attended : 20

Resource Person/Invited Lectures :

S. No.	Name of the Institution	Acted As	Topic of the Speech
1.	Sasuriee College of Arts and Science, Vijayamangalam.	Resource person	Students Motivation
2.	Maharaja College of Engineering & Technology, Perundurai.	Resource person	National Conference
3.	EBET College of Engineering & Technology, Nathakadiyur. Kangayam.	Resource person	National Level Technical Meet “Phonex’14”
4.	Sri Krishna Arts and Science College, Coimbatore	Guest Lecture	“DBMS”
5.	Sri Krishna Arts and Science College, Coimbatore	Guest Lecture	“Computer Networks”
6.	Pioneer College of Arts and Science, Coimbatore	Guest Lecture	“Linus Torvalds”

Faculty Development Programs Attended :

Course	University/Institute	Subject	Period
Naan Mudhalvan	Bharathiar University, Coimbatore	Fundamentals of Coding and Cloud	3 days (26/7/23 to 28/7/23)
Naan Mudhalvan	Bharathiar University, Coimbatore	Oracle Cloud Architecture	5 days (18, 19, 22, 23 & 24.01.2024)

Academic Activities :

i) Subject Handled : Digital and Computer Architecture, Software Testing , Software Engineering, System Software, Operating System, Python, C, C++, Java, Web Programming, Business Accounting

ii) **Class Advisor** : UG & PG Level

iii) **Special Coaching**

iv) **Student Community Beneficial Activities**

v) **Co-curricular and extra-curricular activities :**

Professional Activities :

1. **Reviewer** : Nil

2. **Board of Studies/UR** : 1. UG –**Board of Study member** from 2010 to August 2012 in Vellelar College for Women (Autonomous), Erode.

2. **Subject Expert** in PG Board (MCA & M.Sc. (CS)) in Vellelar College for Women (Autonomous), Erode.

3. **Question Paper Setter** for **Universities**: Periyar, Alagappa and Annamalai. **Autonomous Institutions**: Erode Arts College, Erode, Thiyagarajar College, Madurai. and Hindusthan Arts and Science College, Coimbatore.

4. **UR – Iddapadi Government Arts College, Iddapadi.**

3. **Examiner/ Scrutiny** : Acted as Practical examiner, Theory valuation (Bharathiar & Periyar University)

4. **Senate/ Syndicate** : Nil

National/ International Collaborations :

Annexure I

Research Papers

International & National Level Publication Details.

2009 – 2012

1. “ACORA-Ant Colony Optimization Routing Algorithm for MANETs Optimized Performance”, in International Journal of Computer Engineering (ISSN: 0975-6116), July-Dec 2009, Vol.-1, No.:2, Pg.No.:139-144
2. “Swarm Intelligence based ACORA-Routing Algorithm for MANETs Performance”, in International Journal of Computer Applications in Engineering, Technology and Sciences. (ISSN: 0974-3596) Oct '09 – Mar'10, Vol.-2, Issue-1, Pg.No.: 183-187
3. “An Emerging Ant Colony Optimization Routing Algorithm (ACORA) for MANETs”, in National Journal of Computer Applications. (ISSN: 0974-1925), July-Sept '2009, Vol.-2, Issue No.-3, Pg. No.: 29-33
4. “An Enhanced Density-Aware Routing Protocol Using Back-off Mechanism for VANET” in CIIT-International Journal of Wireless Communication, (ISSN: 0974-9756), Sep '2011, Vol. – 3, No.: 13, Pg.No.:946-950
5. “Modified Efficient Geographic Multicast Protocol in Multicasting over Mobile Ad Hoc Networks for QoS”, in National Journal of Computer Applications. (ISSN:0974-1925) Apr-Jun '2011, Vol.-4, IssueNo.-2, Pg.No.: 57-62
6. “Analyzing and Scaling the Performance of Mobile Data Communication with mixed Co-operative and Non-Co-operative nodes passed on Social Contact”, in International Journal of Computer Applications in Engineering, Technology and Sciences. (ISSN: 0974-3596) Oct '11 – Mar '12, Vol. – 4, Issue – 1, Pg.No.:194-197
7. “Data Aggregation Tree Approach in AODV Protocol to Select Dynamic Route for Sensor Network”, in International Journal of Computer Applications (ISSN: 0975-8887) July '2012, Vol.: 50, No.: 17, Pg. No.:29-31
8. “A study on Authenticated Admittance of ATM Clients Using Bio-Metrics Based Cryptosystem”, in International Journal of Advances in Engineering & Technology. (ISSN: 2231-1963), Sept '2012, Vol.-4, Issue-2, Pg.No.:456-463
9. “Using Sink Initiated Multicast Protocol for Reducing the Data Loss by the Mobile Sink in Wireless Sensor Network”, in International Journal of Computer Science and Technology. (ISSN:0976-8491 (online) |ISSN:2229-4333 (Print)) July - Sept'2012, Vol.- 3, Issue-3, Pg.No.:458-460

Note: Some are in e-journals and some are yet to enter.

Research Papers

International & National Level Presentation Details.

2007 – 2015

1. Presented in National Seminar on “MobileAgentApplications”, at K.S.R. College of Engineering, Tiruchengode on 07.09.2007 & 08.09.2007
2. Presented in National Conference on “Computer and Communication”, at Sri Vasavi College, Erode, On 22.02.2008 & 23.02.2008
3. Participated in National Workshop on “Mobile Computing”, at K.S.Rangasamy College of Technology, Tiruchengode on 20.04.2009 to 25.04.2009
4. National Conference on “Computer and Communication”, Sri Vasavi College, Erode on 19.09.2009
5. National Seminar on “ Designing Competency based Curriculum for Quality Improvement”, at Vellalar College for Women, Erode, from 24.03.2011 to 25.03.2011
6. National Seminar: Research Issues in Computer Science, K.S.R. College of Engineering, Tiruchengode on 30.08.2011
7. National Conference on “Advanced Computational Intelligence at Maharaja Co-education Arts and Science College, Erode on 30.01.2014

Books/ Book Chapter:

1. International Conference on “Computer Applications & Information Technology, (ISBN:978-81-909890-0-8), Hindusthan College of Arts and Science, Coimbatore on 03.09.2010
2. National Conference on ”Advanced Trends in Information Technology, (ISBN:938054317-4), Dr.N.G.P.Arts and Science College, Coimbatore on 21.02.2013

Annexure – II

National and International Conferences Presentation and Participations

2018-2019

1. Participated two days national level work shop on “Artificial Intelligence with Deep Learning”, organized by Department of EEE & IT, PSG College of Technology, Peelamedu, Coimbatore, on 23.6.2018 and 24.6.2018.
2. Participated International Colloquium, ACM Distinguished Speaker Program on “Study of Cognitive Ability of Human Brain”, Organized by Department of Computer Science (UG & PG) and Applications, K.S.Rangasamy College of Arts and Science, Tiruchengode, on 20.07.2018.
3. Participated a one-day Seminar on “How to write Research Paper”, organized by the Department of Library and Readers Club, on 21.07.2018 at K.S.R. college of Technology, Tiruchengode.
4. Presented a paper in an International Conference on “Recent Innovations In Computer Science & Informatics ”at Trinity College for Women, namakkal on“ A Face Recognition Application System Based on Machine learning with Neural Networks Using Python” on 10.08.18.
5. Published a paper in a Scopus indexed journal with the paperID: ICCIDS128, entitled “An ANN Based EDM Approach to Explore the Reasons for Scarcity of Expected Skilled Graduates in Employability”.

2019-2020

1. Presented a paper in an ICSSR sponsored two-day National Seminar on the topic “A Review of CyberCrime Challenges and Prevention Techniques in Social Media” at PKR Arts college for women, Gobi on 07.08.2019.
2. Going to present paper in an ICWA sponsored two-day National Conference on the topic “An Overview: Is the Women Development Schemes In India Enriched The Rural Women To Face The Upcoming Digital World” at Navarasam Arts and Science College for Women, Erode, on 13.02.2020.

2020-2021

1. Participated in Virtual power seminar on “Data Analysis” on 25.09.2020 at G. Venkatasamy Naidu College (Autonomous), Kovilpatti. Organized by Department of Computer Science associated with ICTAcademy.
2. Participated in International workshop on “Cyber Attacks and Attack Handling Methods”, on 30.09.2020 at Avinashilingam Institute for Home Science, Coimbatore.
3. Participated in FDP on “Online Teaching Opportunities & Challenges”, at Dr.SNS Rajalakshmi Arts and Science College, Coimbatore on 04.06.2021, organized by MCA department.

2021-2022

6. Participated in Two day Workshop on “Data Analytical Tools for Analyse and Visulaise Datasets” on 14th & 15th December 2021 at SRM Institute of Science and Technology, Chennai.
7. Participated in One WEEK Virtual FDP “Essential Dimensions of High Quality Research” from 24 Feb. 2022 to 3rd March 2022, Organized by School of Computer Science, VET Institute of Arts and Science (Co-education) College, Erode.
8. Participated in Two days Online Faculty Development Programme on “SECRETS: FINDING, WRITING AND WINNING A RESEARCH GRANT” organized by R & D Cell, Pollachi College of Arts and Science, Pollachi, Coimbatore from 01-03-2022 to 02-03-2022.
9. Participated in Seven Days Short-Term Training Programme (STTP) on Cyber Security and ThreatL and scape organized by the School of Computer Science, Kongunadu Arts and Science College (Autonomous), Coimbatore and Departments of ComputerScience, Kongu Arts and Science College (Autonomous), Erode between 15.03.2022 and 22.03.2022.
10. Presented a Paper on "An Analysis of Mobile Edge Cloud Computing with Mobile IPV6 to improve the qualitative and quantitative performance metrics of Network Communicationin 5G VoLTE Using ACO algorithm " in International Multidisciplinary Conference on “INFORMATION SCIENCE, MANAGEMENT RESEARCH AND SOCIAL SCIENCES” Organized by AJK College of Arts and Science, Coimbatore in association with ISMASI, Azteca University, Mexico on 18.04.2022 & 19.04.2022.
11. Published a book chapter and Presented a paper on “ A Qualitative review of Blockchain Technology in the current Scenario of Education” in Two day International Conference on DISCT 2022 on 27-04-2022.
12. Received “BestTeacherAward” in Excel College for Commerce and Science, Komarapalayam on 2022.

2022-2023

1. Signed MoU with Tamil Nadu Yoga Federation on 14/10/22.
2. Participated in FDP on “National Education policy” on 17/10/22 & 18/10/22

2023-2024

1. Participated on two day National seminar on “AI tools in various Domains” from 10 July 2023 to 11 July 2023 at K S Rangasamy College of Arts and Science, Thiruchengode organised by Department of Computer Studies.
2. Participated in one day National Seminar on “AI based Tools for Scientific writing in Research” on 25/8/23 at Chikkanna Govt. Arts College, Tirupur.