

PROFILE

General Information

a) Name : Dr. D.MOHANAPRIYA MCA., M.Phil ., Ph.D
b) Address (Residential) : 122 Bungalow Street
Thiruppuvanam
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d) Mail Id : dr.d.mohanapriya@gmail.com
e) Date of Birth : 28.12.1988
f) Orcid ID : <https://orcid.org/0000-0003-2961-0534>
g) ResearcherID : I-3090-2018
h) Scopus Author ID : 57307208900



A) Academic Qualifications

Exam Passed	Mode	Board/ University	Subjects	Year	Division/ Grade Merit etc.
Ph.D	Full Time	Alagappa University	Computer Science	2016-2020	Completed
M.Phil	Full Time	Alagappa University	Computer Science	2012-2013	88 %
MCA	Regular	Alagappa University	Computer Applications	2009-2012	79 %
B.SC	Regular	Sri Saradha Nikethan College for Women Amaravathi Pudur	Information Technology	2006-2009	80 %
HSC	-	St.Mary's Girls Higher Secondary School, Devakottai.	Computer Science	April 2006	84%
SSLC	-	Mahatma Montessori Matriculation Hr.Sec School, Madurai	-	April 2004	81%

- **Specialisation in Teaching** : C,C++, Java, PHP , Data mining, Cryptography and Network Security, RDBMS, OS.
- **Specialisation in Research** : Image and Video Processing , Data Mining.

Research Experience & Training : 6 YEARS

Research Stage	Title of work/Theses	University where the work was carried out
M.Phil.	High Dimensional Data Handling Technique using Overlapping Slicing Method for Privacy Preservation	Alagappa University, Karaikudi

Ph.D.	An Efficient Human Tracking And Activity Recognition System in Video Surveillance”	Alagappa University, Karaikudi
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B) Research Projects carried out

Title of the Project	Name of the Funding Agency	Duration	Remarks
Continuous User Authentication & Intrusion Detection System based on Biometrics	DST-PURSE	November 2017- May 2019	-

C) Teaching Experience

Courses Taught	Name of the University/ College/ Institution	Duration
UG & PG	Madurai Sivakasi Nadars Pioneer Meenakshi Women’s College , Poovanthi	July 2019 – September 2021
PG - MCA(Week –End Class)	Alagappa University	July 2016 – December 2018
Technical Trainer cum Lecturer	V Infotech,Dindigul	November 2013-December 2015
Research Experience (Teaching)	Alagappa University	M.phil – 1 year Ph.D - 4 years

Total Teaching Experience

- Under-graduate: - 2 years
- Post-graduate : 4 years

D) PAPER REVIEWER:

1. Reviewed paper in **Concurrency and Computation: Practice and Experience (CCPE)**, an academic journal published by **John Wiley & Sons**.

E) Lectures / Talks given: Resource Person

Topic	Area	Place & Year
Delivered lecture on Webinar on “How to start writing a research paper”	Research	Gnanamani college of Technology , Namakkal 17-7-2020

F) Awards / Fellowships:

Eighth Rank	B.Sc(IT)	Sri Saradha Nikethan college for women
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		Alagappa University
Second Rank	M.phil (CS)	Alagappa University

G) Event Organized :

Role	Event	Date
Technical Committee Member	International Conference on Innovation in Computer Science & Technology (ICICST – 2016)	04,05 Apr 2016
	ALUTES 2016 – Alagappa University Talent Exhibit Show	03-05 October 2016
	ALAGU AARAM 2017 –Alagappa University Inter-Collegiate Cultural Festival-2017	24,25 February 2017
	ALUTES 2017 – Alagappa University Talent Exhibit Show	12-14 October 2017
	ALAGU AARAM 2018–Alagappa University Inter-Collegiate Cultural Festival-2018	24,25 February 2018
	Two day Short Term Training Programme on “Hands on Traing on Computer Networks and R Programming”	31 January – 1 February 2018
	Two day National Seminar on “Recent Research Trends and Developments in Computer Science”	08-09 March 2018
Organzing Committee Member	Two day National Workshop on “Programing with Python”	31 January – 1 February 2020
Organzing Committee Member	Guest Lecture on “Working with Photoshop tools”	13 February 2020

H) PAPER PUBLISHED

A. SCI Indexed

1. D.Mohanapriya, Dr.K.Mahesh,” **A novel foreground region analysis using NCP-DBP texture pattern for robust visual tracking**” Multimedia Tools and Applications – **Springer**, “Intelligent Systems for Digital Archiving, Analysis and Documentation of Multimedia Content, DOI 10.1007/s11042-017-4409-3 December 2017, Volume 76, Issue 24, pp 25731–25748 .

2. D.Mohanapriya, Dr.K.Mahesh,” **Multi object Tracking using Gradient-based Learning Model in Vi deo-Surveillance”** China communications – IEEE “ (Annexure-I SCI Indexed) **October 2021 volume :18 Issue:10 PP;169-180.**
DOI [10.23919/JCC.2021.10.012](https://doi.org/10.23919/JCC.2021.10.012).

B. Scopus Indexed

1. D.Mohanapriya, Dr.K.Mahesh, “**Robust Video Tracking System with shadow suppression based on Feature Extraction**”, Australian Journal of Basic and Applied Sciences, Vol.10, No.11 (July), 2016, ISSN :1991-8178.
2. D.Mohanapriya, Dr.K.Mahesh “**A Video Target Tracking Using Shadow Suppression And Feature Extraction**”. IEEE Explore Digital Library .
3. D. Mohanapriya, Dr. K. Mahesh,” **Robust Visual Target Tracking via Nearest Sequential Boundary Pattern**” International Journal of Pure and Applied Mathematics Volume 118 No. 7 2018, 207-213, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), February 2018.
4. S.Karolin Mary, D. Mohanapriya, Dr. K. Mahesh,” **Sequential Pixel Text Detector: A Cohesive Framework for Text Detection and Recognition in Video**” International Journal of Pure and Applied Mathematics, Volume 118 No. 7 2018, 207-213, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), February 2018.
5. S.Priyadharshini , D. Mohanapriya , Dr. K. Mahesh,” **A Robust Framework for Multiple Object Detection and Tracking in Video Surveillance** ” International Journal of Pure and Applied Mathematics, Volume 118 No. 7 2018, 207-213, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), February 2018.

C. Non- Referred and Ugc Approved Journal

1. D.Mohanapriya, Dr.K.Mahesh, “**Video Tracking System by suppressing shadow and Feature Extraction- A Review**”, International Journal of Computer Engineering and Applications(IJCEA), Vol.10, No 6 June 2016, ISSN : 2321-3469

2. D.Mohanapriya, Dr.K.Mahesh, “**A Survey on Video Object Tracking System**”, International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol.3, Special issue 20, April 2016, pp.474-479, ISSN : 2394-3785
3. D.Mohanapriya,Dr.K.Mahesh “**A Comparative Analysis of Video Tracking Techniques**” International Journal for Modern Trends in Science and Technology, Volume: 03, Issue No: 05, May 2017, ISSN: 2455-3778.Impact Factor:2.375.
4. Kathirvel, D. Mohanapriya, Dr. K. Mahesh, "**A Novel Robust Approach for Moving Object Detection and Tracking in Video Surveillance System**", International Journal of Scientific Research in Science and Technology (IJSRST), Print ISSN: 2395-6011, Volume 3, Issue 8, pp.1235-1241, November-December-2017. **(UGC Approved Journal)**.
5. Syed Kalith, D. Mohanapriya, Dr. K. Mahesh, "**Video Scene Segmentation : A Novel Method to Determine Objects**", International Journal of Scientific Research in Science and Technology(IJSRST), Print ISSN : 2395-6011, Volume 4, Issue 2, pp.90-94, January-February-2018. **(UGC Approved Journal)**.

D. Book chapters

1. D.Mohanapriya, Dr.K.Mahesh, “**A Novel Background Normalization Technique with Textural Pattern Analysis for Multiple Target Tracking in Video**”, Advances in Intelligent Systems and Computing, Springer December 2018 Volume 750, pp 373-381, - **Springer** .
2. D.Mohanapriya and Dr.K.Mahesh “**An Efficient Framework for Object Tracking in Video Surveillance**” in "The Cognitive Approach in Cloud Computing and Internet of Things Technologies for Surveillance Tracking Systems" published by - **Elsevier PP:65-67**.

I) CONFERENCE PRESENTED

PAPER Title	Conference name	Venue
Survey Tracking Video Object	International Conference on Breakthrough in Engineering, Science & Technology	Dr.Kalam Institute of Engineering Research, Salem. April 2019

Video Processing-Challenges & Future Research	International Conference on Breakthrough in Engineering, Science & Technology	Dr.Kalam Institute of Engineering Research, Salem. April 2019
Robust Visual Target Tracking Via Nearest Sequential Boundary Pattern	International Conference on Advances in Computer Science, Engineering and Technology (ICACSET '18)	Departments of Computer Science and Information Technology, Kalasalingam University, January 19 th - 20 th 2018.
A Robust Framework for Multiple Object Detection and Tracking in Video Surveillance	International Conference on Advances in Computer Science, Engineering and Technology (ICACSET '18)	Department of Computer Science and Information Technology, Kalasalingam University, January 19 th - 20 th 2018.
Sequential Pixel Text Detector:A Cohesive Framework for Text Detection and Recognition in Video	International Conference on Advances in Computer Science, Engineering and Technology (ICACSET '18)	Departments of Computer Science and Information Technology, Kalasalingam University, January 19 th -20 th 2018.
Tracking Objects of Deformable Silhoutees Using GDT	International Conference on Information, Communication and Digital Security(ICICDS'18)	Department of Computer Applications, Alagappa University, Karaikudi, March 21 st -22 nd ,2018.
Text Detection and Tracking in a Video using PCR Technique	International Conference on Information, Communication and Digital Security(ICICDS'18)	Department of Computer Applications,Alagappa University, Karaikudi, March 21 st -22 nd ,2018.
Video Object Detection And Tracking Using Ant Lion Optimization	International Conference on Information, Communication and Digital Security(ICICDS'18)	Department of Computer Applications, Alagappa University, Karaikudi, March 21 st -22 nd ,2018.
A Novel Background Normalization Technique with Textural Pattern Analysis for Multiple Target Tracking in Video.	International Conference on Big Data and Cloud Computing(ICBDCC '18)	Department of Computer Sciences Technology, Karunya Institute of Technology & Sciences, Coimbatore. March 23 2018
LSSD with Hybrid optimal Filtering for Object Detection and Tracking in videos.	International Conference on Engineering & Technology 2018	Rathinam Technical Campus, Coimbatore. August 30-31 2018

An Efficient Video Text Detection and Tracking via PSD Technique	International Conference on Engineering & Technology 2018	Rathinam Technical Campus, Coimbatore. August 30-31 2018
A Robust Framework for detection, Tracking and activity recognition of object in video	International Conference on Engineering & Technology 2018	Rathinam Technical Campus, Coimbatore. August 30 th -31 st 2018
Tracking Objects of Deformable Silhouettes Using GDT	International Conference on Information, Communication and Digital Security(ICICDS'18)	Department of Computer Applications, Alagappa University, Karaikudi, March 21 st -22 nd ,2018.
Text Detection and Tracking in a Video using PCR Technique	International Conference on Information, Communication and Digital Security(ICICDS'18)	Department of Computer Applications, Alagappa University, Karaikudi, March 21 st -22 nd ,2018.

Video Object Detection And Tracking Using Ant Lion Optimization	International Conference on Information, Communication and Digital Security(ICICDS'18)	Department of Computer Applications, Alagappa University, Karaikudi, March 21 st -22 nd ,2018.
A survey on video object tracking system	International Conference on Innovations in Computer Science & Technology	Department of Computer Applications, Alagappa University, Karaikudi, April 4 -5 ,2016
A Video Target Tracking Using Shadow Suppression And Feature Extraction”	IEEE International Conference on Information, Communications & Embedded Systems	Departments of CSE, ECE & EEE S.A. ENGINEERING COLLEGE, Chennai, 23 rd and 24 th February 2017.
A Comparative Analysis of Video Tracking Techniques”	International Conference on Engineering, Energy & Environment (ICEEE 2017)	Departments of CSE, ECE & EEE, TRP Engineering College (SRM Group), Tiruchirappalli, March 31st - 2nd April 2017.

Seminars, Conferences, Symposia, Workshops etc. attended

Name of the Seminar/ Conference/ Symposia, Workshop, etc.	Name of the Sponsoring Agency	Place and Date
Data Science & Analytics	Alagappa University Karaikudi.	Department of Computer Applications, September 27 th – 28 th 2016
International Seminar on Intelligent Computing and Interactive Systems	Thassim Beevi Abdul Kadeer College for Women, Kilakarai	Department of Computer Science September 5 th ,2017

Recent Developments in Computer Networks	Alagappa University Karaikudi.	Department of Computer Applications, November 7 th – 8 th 2016
Computational Science Techniques For Understanding & Solving Complex Real World Problems	Alagappa University Karaikudi.	Department of Computer Science, January 4 th -5 th 2018
Achieving Publication Index Scores	Alagappa University Karaikudi.	Department of Library and Information Science, January 10 th 2018
Computer Networks and R Programming	Alagappa University Karaikudi.	Department of Computer Applications, February 1 st 2018
Data Analytics Consultants (WEKA, MATLAB, SPSS, FLIM MAKER TOOLS)	Alagappa University Karaikudi	Department of Computer Science & University Business Collobration Center February 26 th -28 th 2018
Recent Research Trends And Developments in Computer Science	DST-PURSE Sponsored Alagappa University Karaikudi	Department of Computer Science March 8 th -9 th 2018
Python Programming	Kongunadu college of Engineering, Trichy	Department of Information Technology October 30 2018
Introduction to Machine Learning an Pattern Recognition Techniques	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology Avadi, Chennai	Department of Computer Science and Engineering. September 27 th -28 th 2018
Natural Language Processing and Machine Learning using Python	SRM Institute of Science & Technology Chennai	Department of Computer Science and Engineering. 3 rd – 4 th September 2018
Data Analytics using R Programming	TEQIP – III Sponsored Thiagarajar College of Engineering Madurai	Department of Electrical and Electronics Engineering 23 rd – 24 th November 2018
Mobile Apps	Alagappa University Karaikudi	Department of Computer Applications & University Business Collobration Center April 4 th -5 th 2019
Image Processing using MATLAB	SRM Institute of Science & Technology Chennai	Department of Computer Science and Engineering. 25 th -27 th November 2019

Online FDP/WORKSHOP/SHORTTERM

1. One Day Online Faculty Development Program on “**Machine Learning for Beginners** “ Organized by the Department of Electronics and Communication Engineering, Sphoorthy Engineering College, Hyderabad in Association with Indian Servers,Vijayawada on March 3rd, 2020.
2. Online National Workshop on “**Basics of Documentation using Latex**” held on 24, 25, 29 & 30 April 2020 organized by the Department of Mathematics, Stella Maris College(Autonomous), Chennai, Tamil Nadu, India.
3. Online Short term Skill Training **Programme on Python** : Beginners Tutorial organized by Entrepreneurship, Innovation and Career Hub, Alagappa University, Karaikudi from 11-05-2020 to 17-05-2020 under the aegis of MHRD RUSA 2.0 Scheme..
4. 10 days Faculty Development Programme On “**Innovative Knowledge Tuning For Academicians**” Organized by the Departments of Arts, Science & Management Studies, St.Peter’s Institute of Higher Education and Research, Avadi, Chennai - 600 054 held from 18th May 2020 to 27th May 2020.
5. Two-Week Online Capacity Building Programme **for Faculty Members and Research Scholars** organized by Alagappa University under the sponsorship of UGC STRIDE Component--I Scheme from 12th June 2020 to 23rd June 2020.
6. Two day workshop on "**BLOCK CHAIN TECHNOLOGY**" from 12/06/2020 to 13/06/2020 organized by Department of Information Technology, Keshav Memorial Institute Of Technology.
7. One Day Workshop on “**Digital Image Processing and its Applications**” held on 13-07-2020 organized by Lenora College of Engineering College.
8. National Level Faculty Development Programme on "**Data Analysis Using MS Excel**" organized by Department of Mathematics in association with the Internal Quality Assurance Cell(IQAC), BBDNIIT. Dec 25-27 2020
9. 7 Days International Faculty Development Programme on "**Recent Trends in Emergent Technologies**" organized by Internal Quality Assurance Cell (IQAC) and School of Computational studies in collaboration with Computer Society of India, Chennai from 17.02.2021 to 24.02.2021.
10. International Webinar on “Cloud Computing with Microsoft Azure” organized by Department of Information Technology, Madurai Sivakasi Nadars Pioneer Meenakshi Women’s College, Poovanthi on 12-04-2021.

11. "Two Weeks International FDP On **Trends and Challenges in Machine Learning And Deep Learning** " from 10/05/2021 to 21/05/2021, Organized by the Department of Information Technology, Easwari Engineering College, Chennai.
12. One week Online Short Term Training Program on “**Emerging Trend in Cyber Security & Data Science**” approved by ISTE,New Delhi during 15/06/2021 to 19/06/2021 organized by Department of Computer Science & Engineering. Dr. Rajendra Gode Institute of Technology & Research, Amravati.
13. 3 Days FDP Certificate on **Emerging Trends in Computational Research** organized by Department of Computer Science ,New Prince Shri Bhavani Arts and Science College. On june 17-19 2021
14. One week-National Level Online Faculty Development Program on **MULTI TECHNOLOGIES** from 28th June 2021 to 3rd July 2021 organised by the Department of Computer Science & Engineering in association with National Youth Council of India and Brainovision Solutions India Pvt.
15. Five days International FDP on **Progresses in Computer Science & its Applications** organized by School of Computing Sciences, Vels Institute of Science, Technology and Advanced Studies, Chennai during 9th-14th July 2021.