PROFILE

PERSONAL INFORMATION:

Name	G.Devika
Designation	HOD
Department	Computer Science
E-Mail ID	gdevika2016@gmail.com
Contact No	9894510321
Date of Birth	26.01.1976
Date of Appointment	01.06.2019
Date of Retirement	-
Gender	Female
Address	RD1 Gandhiji Road 7th Cross Street 7th Stop Thirunagar, Madurai- 625006

Academic Qualification (UndergraduateOnwards):

S.No.	Degree	Year of Passing	Subject	Name of the Institution/University
1	B.Sc.,	1996	Physics	Alagappa Govt. Arts College , Karaikudi Madurai Kamaraj University
2	MCA	1999	Computer Applications	Alagappa University, Karaikudi
3	M.Phil	2005	Computer Science	Madurai Kamaraj University,Madurai
4	Ph.D	2017	Computer Science	Anna University, Chennai

Ph.D thesis title, Institute/Organization/University and Year ofAward:

S.No.	Ph.D thesis title	Field of Specialization	Institute/University	Year ofAward dt/mm/yr (viva voce date as per syndicate communication)
1	Feature Extraction based Classification of Multispectral Cloud Images using Clustering	Image Processing	Anna University	24.01.2017

TEACHING EXPERIENCE:

S. No.	Positios held	Name ofthe Institute	Designation	From	To	Others
1.	Assistant Professor	Mannar ThirumalaiNaickerCollege,Madurai	Assistant Professor	01/06/2019	Till Date	
2.	Assistant Professor	Kalasalingam Academy of Research and Education	Assistant Professor	29.05.2017	30.04.2019	
3.	Assistant Professor	Madurai SivakasiNadar Pioneer Meenakshi College for Women	Assistant Professor	01.12.2016	29.04.2017	
4.	Associate Professor	NadarMahajanaSangamS.VellaichamyNadar College., Madurai	Associate Professor	18.06.2015	30.11.2016	
5.	Associate Professor	K.L.N College of Information Technology, Madurai	Associate Professor	17.10.2005	17.06.2015	
6.	Lecturer	Madurai Kamaraj University College, Madurai	Lecturer	17.06.2002	14.10.2005	
7.	Lecturer	Sri SaradaNiketan College for Women ,Karaikudi	Lecturer	19.07.2000	16.04.2002	

Orientation/ Refresher Course Attended (other than MTNC):

S.No	Orientation/ Refresher Course	Theme	Name of the Institution/University	Month and Year
1	Foundation Program in ICT for Education	ICT	Thigarajar College of Engineering, Madurai association with IIT Bombay	03.08.2017 to 07.09.2017
2	Faculty Development Program	Meditation	Heartfulness Institute at Kalasalingam University	29.06.17 to 01.07.17.
3	Pedagogy for Online and Blended Teaching-Learning Process	Teaching-Learning Process	Thigarajar College of Engineering, Madurai association with IIT Bombay	(16-09-2017 & 17-09-2017 and 07-10-2017 & 08-10-2017) 2 weeks course

4.	SUCCESSFUL START-UP FOUNDER	**Innovation**	Sethu Institute of Technology	11.03.2021
5	Big Data Analytics	**Technology**	Saranathan College of Engineering, Tiruchirapall	16.11.2020 to 21.11.2020

Faculty Development Programme/Short Term Course attended (other than MTNC):

S.No	Faculty Development Programme/Short Term Course	Title of the Programme/Course	Name of the Institution/University	Month and Year
1	FDP	Perceptions of Research, Paper Publication and Overview of Patent Filing	SRM Institute of Science & Technology , Ramapuram, Chennai	25.08.2021 to 27. 08.2021at
2	FDP	Era of Change - Recent Advancements of Machine Learning in terms of AI & IoT	SRM Institute of Science & Technology , Ramapuram, Chennai	12.07.2021 to 25.07.2021
3	FDP	Recent Research Directions in Applying Deep Learning for Health Informatics	Arulmigu Kalasalingam College of Arts and Science, Krishnankoil	19.05.2021
4	FDP.	Research Innovation in Computer Vision	Kings Engg College, Chennai	10.05.2021 to 14.05.2021
5	FDP	Growing Technologies	Sethu Institute of Technology, Madurai	29-06-2020 to 30-06-2020
6	FDP	All that You Wanted to Know about INTERNET OF THINGS	Mohamed Sathak Hamid College of Arts and Science for Women, Ramanad	24-06-2020 to 26-06-2020
7	FDP	Moodle Learning Management System	Mannar ThirumalaiNaicker College in association with Spoken Tutorial, IIT Bombay funded by MHRD	06-06-2020 to 10-06-2020
8	Workshop	SCOPE AND JOB OPPORTUNITIES FOR IT STUDENTS"	N.M.S.S.VellaichamyNadarCollege,Madurai	04.06.2020
9	FDP	Ussr Experience Design and User Interaction Design	Kalasalingam Academy Research and Education, Krishnankoil	25.05.2020 to 31.05.2020
10	Workshop	Effective project proposal writing	Velammal Engineering college, Madurai	8-5-2020 to 9-5 2020
11	FDP	Free/Open Source Software for AI and Cyber Security	Thigarajar College of Engineering, Madurai	22.8.2019 to 27.8.2019
12	Workshop	DeepLearning with Tensorflow& R Programming.	Kalasalingam Academy of research and Education, Krishnankoil	11.12.2018 to 15.12.2018
13	FDP	Festival Learning IoT and cloud	Thiagarajar College of Engineering Madurai	15.11.18 and
14	FDP	Research Initiation to Paper Publication	Kalasalingam Academy of research and Education, Krishnankoil	05.10.2018
	Workshop	Teaching with		

17	Workshop	Open Source Technologies and	Kalasalingam University	07.07.17 to 09.07.17
18	FDP	R&D , IQAC Metrics Academic Performance Index with Case Study	Kalasalingam University	22.06.2017
19	FDP	Mentor- Mentee Program implemented	Kalasalingam University	21.06.2017
20	FDP	Cyber Security	Madurai SivakasiNadar Pioneer Meenakshi Women's College , Poovanthi	17.02.2017
21	FDP	Academic and Administrative staff training	N.M.S.S.V.N. College Madurai	01.04.2016
22	FDP	Cognitive Cloud Computing	Thiagarajar College of, Engineering, Madurai	13.11.2015
23	Workshop	Satellite Image Processing with MatLab	Thiagarajar College of, Engineering, Madurai	04.05.2014 & 05.04.2014
24	FDP	Quality Improvement Cell	KLN College of Engineering	01.02.2014
25	Workshop	Recent Trends and Research Challenges in Business Intelligence	Thiagarajar College of, Engineering, Madurai	13.08.2013
26	Workshop	Applications of Evolutionary Computing Techniques	MepcoSchlenk Engineering college, Sivakas	20.05. 2013 to 02.06. 2013
27	Workshop	Applications of Soft Computing Techniques in Information Retrieval and Knowledge Discovery	Thiagarajar College of, Engineering, Madurai	10.04.2013
28	FDP	How to write for and get published in Scientific Journals and	Springer, along with Anna University, Chenna	29.01.2013
29	Workshop	Hands on Training SCILAB	KLN College of Engineering	13.10.2012
30	FDP	Academic Management of Engineering Programmes to Meet Net Age Challenges,	KLN College of Information Technology	1.09.2012
31	FDP	Advance Research Techniques for Development of Intelligences systems through computer Vision	KLN College of Information Technology	13.09.2012 to 14.09.2012
32	Workshop	Advanced Computational Techniques In Information Processing	Thiagarajar College of, Engineering, Madurai	4- 5 April 2012
33	Workshop	Geographical Information System	Thiagarajar College of, Engineering, Madurai	6th April 2012

34	FDP	Research Methodologies In Computing Science, Information Technology And Engineering	Thiagarajar College of, Engineering, Madurai	29.11.2011
35	FDP	Enterprise Information Systems	Thiagarajar College of, Engineering, Madurai	111.01.2011
36	Workshop	Recent Trends in Satellite Image Processing	Thiagarajar College of, Engineering, Madurai	17.09.2010 and 18.09.2010
37	FDP	Research Funding & Patent Methodologies In Engineering & Technology	K.L.N. College of Engineering Madurai	04.03.2010 &05.03.2010
38	FDP	Research Issues And Challenges On Image Processing Towards Remote Sensing	National Engineering College, Kovilpatti	04.12.2009 & 5.12.2009.
39	Workshop	Digital Image Processing	KLN College of Information Technology	27.08.2009 & 27.08.2009
40	FDP	R & D And International Publications	K.L.N. College of Engineering Madurai	19.12.2008
41	Workshop	IBM Tivoli Storage Manager	KLN College of Information Technology	15.12.2008 to 17.12.2008
42	FDP	Computer Security And Principles	Thiagarajar School of Management, Madurai	08.08.2008 & 09.08.2008
43	Workshop	Recent Trends In Enterprise Information System	Thiagarajar College of, Engineering, Madurai	27.04.2008 & 28 .04.2006
44.	FDP	Image Processing And Its Applications	PSNA Dindigul	11.11.2005

Books/Reports/Chapters/Generalarticlesetc:

S.No	Title	Author'sName	Publisher	ISBN number	Year
1	Computer Architecture	G.Devika	Xpress	978-1-64783-842-	2020
2	Computer Applications	G.Devika	ESN	978-81-944871-3-	2020

RESEARCH EXPERIENCE:
Publications (*List of papers published, in year wise descendingorder*):

S. N o.	Title of the paper	Name of the Authors	Name of Journal	Month & Year	ISSN	Volume & Issue	Impact factor	ID Indexed in Scopus, Web of Science, Pub med / approved by
1	Burrows Wheeler Transform For Satellite Image Compression Using Whale Optimization Algorithm	G.Devika Dr.S.ShaikParveen	Advances and Applications in Mathematical Sciences	September 2021	2021 Mili Publications	Volume 20, Issue 11, September 2021, Pages 2627-2634	1.462	**UGC Care List**
2	Performance Analysis Of Automated Diagnosis Of Lung Parenchyma Using A Novel Approach	Dr.S.ShaikParveen G.Devika	Advances and Applications in Mathematical Sciences	September 2021	2021 Mili Publications	Volume 20, Issue 11, September 2021, Pages 2599-2605	1.462	**UGC Care List**
3	Efficiency Of Self Organizing Map In High Dimensional Data	Dr.P.Hemavathy Dr.G.Devika, Dr.S.ShaikP	IJRAR	June 2019,	www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138)	Volume 6, Issue 2		Scopus
4.	Efficiency Of Self Organizing Map In High Dimensional Data	G. Devika, K. Shankar &P.Manickam	IJRAR	2019	E-ISSN 2348-1269, P- ISSN	Volume 6, Issue 2		Scopus
5	Expert System in Determining Baby Disease using Web Mobile-based	G. Devika, K. Shankar &P.Manickam	International Journal of Recent Technology	2019	ISSN 2277-3878,	Volume-8, Issue-1,		Scopus
6	"Decision Support System for Determining Lecturer Scholarships for Doctoral Study Using CBR (Case-Based Reasoning) Method",	G. Devika, K. Shankar &P.Manickam	International Journal of Recent Technology and Engineering	2019	ISSN 2277-3878,	Volume-8, Issue-1,		Scopus
7	Optimised transformation model for contrast enhancement of satellite images using modified whale optimisation	Devika, G &Parthasarathy, S	International Journal of Image and Data Fusion	2018	https://doi.org/10.1080/19479832.2018.1538060	2018		Scopus,
8	Fuzzy statistics-based affinity propagation technique for clustering in satellite cloud image	Devika, G &Parthasarathy, S	European Journal of Remote Sensing	2018	ISSN: 2279-7254. DOI: 10.1080/22	Vol 51 Issue :1 pp: 754-764	1.26.	

9	Performance Inspection of Apache Spark and Map reduce Analyzing Through K Means	G.Devika, A.Kaveena Rebecca	Journal of Advance Research in Dynamical & Control Systems,	2017	-	Vol. 10, 02		Scopus
10	Optimal Radial Basis Neural Network (ORB-NN) For Effective Classification of Clouds in Satellite	G. Devika, K. Shankar &M.Ilayaraja,	International Journal of Pure and Applied Mathematics	2017	ISSN: 1311-8080 (printed version); ISSN: 1314-3395	vol 116 issue 10 pp 309-329:		Scopus

S.No	Title	Author/Authors	Journal	Year	ISSN	Volume/Pages		Indexing
11.	Secure and Efficient Multi-Secret Image Sharing Scheme based on Boolean Operations and Elliptic Curve	G. Devika, M. Ilayaraja, & K. Shankar	International Journal of Pure and Applied Mathematics	2017	ISSN: 1311-8080 (printed version); ISSN: 1314-3395	vol 116 issue 10 pp 293-300		Scopus
12	A Modified Symmetric Key Cryptography Method for Secure Data Transmission	G. Devika, M. Ilayaraja, & K. Shankar	International Journal of Pure and Applied Mathematics	2017	ISSN: 1311-8080 (printed version); ISSN: 1314-3395	vol 116 issue 10 pp 301-308		Scopus
13	Modified approach of support vector machine for classification of AVHRR image data	Devika, G &Parthasarathy, S	Asian Journal of Information Technology	2016	Print ISSN: 1682-3915, E-ISSN: 1993-5994.	vol. 15, no. 2, pp. 199-210.		Scopus
14	Fuzzy topology based satellite cloud image classification using support vector machine	Devika, G &Parthasarathy, S	Australian Journal of Basic and Applied Sciences	2016	ISSN: 1991-8178. vol. 9, no. 2, pp. 292-303.	vol. 9, no. 2, pp. 292-303.		Scopus
15	Domain adaptation based active learning approach for classification of satellite images	Devika, G &Parthasarathy, S	International Journal of Emerging Technology in Computer Science	2015	ISSN: 0976-1353.	vol. 12, no. 2, pp. 42-47.		-
16	Improved kernel support vector machine with fast training (IKSVMFT) integrated fuzzy topology technique for cloud image	Devika, G &Parthasarathy, S	International Journal of Applied Engineering Research	2014	ISSN: 0973-4562.	vol. 9, no. 26 pp. 8811-8814		Scopus

Research Articles Published in Proceedings:

S.No	Name of the Author/Authors	Title of the Article	Title of the Conference/Seminar	International/ National /State level	ISBN Number	dt/mm/yr
1.	G. Devika, K. Shankar &P.Manickam	Optimal Feature Selection for Chronic KidneyDisease Classification using Deep Learning Classifier	IEEE International Conference on Computational Intelligence and Computing Research	International	978-1-5386-1508-9/18	13.12.2018

Paper presented in Conference/Seminar:

S.No	Title of the Paper	Internationa l/National /State level	Title of the Conference	Institution/College Name	dt/mm/yr
1	A review on m-Healthcare Monitoring System	International	International Conference on Emerging Vistas of Soft Computing and Advanced	Mangayarkarasi college of Arts and Science, Madurai	12.11.2021 & 13.11.2021

			Communication Technology		
2		National	National Conference on Advances in Computer Vision, Artificial intelligence and Computer Applications(NECACAC-2020)	Pragati Engineering College, Surampalem, Andrapradesh.	28.11.2020
3	Analysis Of Automated Diagnosis Of Lung Parenchyma Using A Novel Approach	National	National Conference on Advances in Computer Vision, Artificial intelligence and Computer Applications(NECACAC-2020)	Pragati Engineering College, Surampalem, Andrapradesh.	28.11.2020
4	Efficiency Of Self Organizing Map InHigh Dimensional Data	International	International Conference on Emerging Trends in Science, Technology	Parvathys College of Arts and Science .Dindigul	22.08.2019

5	Cloud Orchestration for Instant VM provisioning and Dynamic Capacity Planning"	International	International Conference on "Design and Applications of Structures, Drives,	K.L.N.College of Information Technology, Pottapalayam, Sivagangai District	April 2018
6	Optimal Feature Selection Based on Ant Lion for Chronic Kidney Disease Classification using Deep Learning Classifier	International	IEEE International Conference on Computational Intelligence and	Thiagarajar College of Engineering Madurai	13.12.2018 to 15.12. 2018
7	Classification of Stages in Multispectral Crop image implementing Laws Mask	International	International Conference on Advances in Computer	Kalasalingam Academy of Research and	19.01.2018 & 20.01.2018
8	Web Service Security in B2B application Using XML	International	International Conference on Advances in Computer Science, Engineering and Technology	Kalasalingam Academy of Research and Education Krishnankoil,	19.01.2018 & 20.01.2018
9	Leaf Blast Disease Identification in Crops using Fuzzy Clustering	International	International Conference on Advances in Computer Science, Engineering	Kalasalingam Academy of Research and Education Krishnankoil,	19.01.2018 & 20.01.2018
10	Domain adaptation based active learning approach for classification of satellite images	International	International Conference on Innovative Research in Engineering	V.P.M.M. Engineering College for Women, Krishnankoil,	06.04.15 & 07.04.15
11	Active Learning Approach for Domain Adaptation in the Classification of Cloud Images	National	National Conference on computing & convergence Technologies – NCCCT'13	Sri Siddhartha Institute of Technology, Tumkur-572105,	16.05.14 & 17.05.14
12	Improved Kernel Support Vector Machine with Fast Training (IKSVMFT) integrated Fuzzy Topology Technique for Cloud Image Classification	International	International Conference on Modelling, Optimisation and Computing	Noorul Islam Centre for Higher Education, Kumaracoil	10.04.14 & 11.o4.14
13	Classifications of cloud Images with Active Learning	National	National Conference on computing & convergence Technologies –	Fatima College, Madurai	September 2013
14	Remote Sensing Based Image Analysis in Precision of Rice Crop Management for Agriculture	International	National Conference on computational Intelligence at	Fatima College, Madurai	September 2012
15	Analysis of Loss Caused by Leaf Blast Disease in Rice Crop Management Using Fuzzy Clustering	National	National Conference on computational Intelligence	Fatima College, Madurai	September 2012
16	"Neural Network Approach for Classification of Cloud Images in Satellite Imagery"	National	NCSIP-2012 National Conference on Signal and Image Processing	Gandhigram Rural University,Gandhigram.	February 2012
17	Analysis of cloud images and Classifying using Fuzzy Logic Approach	National	National Conference on Network Management NCINM'11	Thiagarajar College of Engineering Madurai	March 2011
18	Sampling And Quantization Of An Image Using Threshold And Wavelet Coding	International	IISM '10	RVS College of Engineering &	June 2010

19	Analysis of Wavelet Transform for Compressing Images in a Multiresolution Process	National	"Hi tech Trends On Emerging Computational Technologies	Sethu Institute of Technology, Madurai.	April 2010
20	Sampling and Quantization of an Image using Wavelet Transform	International	Digital Convergence 2010	RMK Engineering College, Chennai	April 2010
21	Comparative Study on Wavelet Transform for Multiresolution Processing in Images	International	Intelligent Information & Distributed Computing	Rajarajeswari Engineering College Chennai	April 2010
22	Boundary Based Segmentation on non Uniform Sampled Image using	National	NCATT'10	K.L.N.College of Engineering Madurai	March 2010

Detail of Patents:

S.No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/ Country	Status
1	Childrearing Support System And Infant Sensor Device Using IOT	G.Devika	20204105566 2 A	22/01/2021	International	Approved
2	Processing of improving energy of a Node In Hostile Environment	G.Devika	39843 CBR 15080	13/05/2019	National	Approved

OTHER EXPERIENCE:

Membership in Academic/Professional Bodies:

S.No	Name of the Body	Capacity
1	Doctoral committee member for Computer Science Department in VELS Institute of Science , Technology and Advanced Studies, Chennai	Ph.D
2	Board of studies member for Fatima College , Madurai.	BSc(CS)
3	Board of studies member for EMG Yadhava Women's College, Madurai	BCA BSc(CS)
	Board of studies member for N.M.S.S.V.N. College of Arts and Science. Madurai	
4	Life Member of Indian Society of Technical Education	LM 47763

Positions held at our college (MTNC):

S.No	Name of position	From	To
1	Assistant Professor	01.06.2019	31.12.2020
2	HOD	01. 01.2021	Till Date

Workshop/Conference/FDP Attended in MTNC:

S.No	International/National/ State Level	Title of the Workshop/Conference	Name of the Institution/Univ ersity	Monthand Year
1	**FDP**	Faculty Orientation	MTNC	01.06. 2019

2	**FDP**	Capacity Building Programme	MTNC	27.08.2019
3	**FDP**	Outcome Based Education	MTNC	27.08.2019
4	**FDP**	E- Content Development on Digital tools Usage	MTNC	29.02.2020
5	**FDP**	Online Faculty Enrichment Programme	MTNC	13-05-2020 to 17-05-2020

Others:

NATIONAL AND INTERNATIONAL CERTIFICATIONS

- Cognitive Class online certification course titled " R101" on 1st December 2018
- Cognitive Class online certification course titled " Python101 for DataScience"
- on 7th t December 2018 • NNPTEL Coursee titled " Introduction to Programming in
- C " ISRO online certification course titled "Remote Sensing and Digital
- Image Analysis" form 21st August to 15th September
- Cognitive Class online certification course titled " BigData101" on 8th March 2018
- ISO 9001 :2008 Certified Auditor

INVITED TALKS

- Delivered a Guest Lecture titled SmartPhone for Smart Usage at Nigiri College of Arts and
- Science, Nigiri.
- Delivered a Guest Lecture titled Mobile Security on Cyber world for Digit All.
- Delivered a Guest Lecture titled " Emerging Trends in Computing Technology " at Nadar Mahajana Sangam S.Vellaichamy Nadar College., Madurai
- Delivered a Guest Lecture titled 'Image Processing " at EMG Yadhava Women's College, Madurai
- Delivered a Guest Lecture titled 'Embedded System " at Senthamarai College of Arts and Science CollegeMadurai
- Delivered a Guest Lecture titled 'Image Processing " atArulmiguKalasalingamCollege of Arts and Science, Krishnankoil.
- Delivered a Guest Lecture titled 'Artificial Intelligence " at Lady Dock College Madurai
- Delivered a Guest Lecture titled 'Applications of Datamining" at Fatima College, Madurai.