



Sri Ramakrishna Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

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Faculty Profile

Dr. R Nagendran, B.E., M.E., Ph.D.,

Associate Professor (Grade – I),

Information Technology



Date of birth	:	24.12.1969	Gender	:	Male
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	5/655 Sri Krishna Nagar, Arumuga Goundanur, Coimbatore -641010	Permanent address	:	5/655 Sri Krishna Nagar, Arumuga Goundanur, Coimbatore -641010
Mobile no	:	9443322216	e-mail (official)	:	nagendran.it@srit.org
Landline	:		e-mail (personal)	:	nagendranranganathan@gmail.com
Date of joining	:	22.01.2010	Post of joining	:	Lecturer
No of promotions since D.O.J	:	3	Present post	:	Associate Professor (G-I)
Present pay scale	:	37400 -67000	Gross pay	:	64159.00
Employer ID	:	TE082	Bank account No. (Salary credited)	:	5001010539304
P.F. No	:	TN/CBE/567764/448	Group Insurance No	:	70100/48/13/42/00001717
PAN Number	:	AEJPN3982R	Aadhar Number	:	9852 7198 9157
AICTE ID	:	1-459164282	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	Electrical and Electronics Engineering	1995	Coimbatore Institute of Technology, Peelamedu, Coimbatore	Anna University	First Class
PG	Computer Science and Engineering	2009	University Department of Computer Science and Engineering, Tirunelveli.	Anna University	First Class
Ph.D	Information and Communication Engineering	2020	Anna University	Anna University	Commended
Others					

Registration for Ph.D. with area of interest: Digital Image Processing

Year of Ph.D. Registration: 2012

Year of Ph.D. Completed: 2020

Thesis Title: Certain Investigation on Hyperspectral Image Compression using Transforms

Supervisor Recognition Number:

Ph.D. Scholar Details

S.No.	Name of the scholar	Registration details	College	Status
NIL				

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna Institute of Technology	Associate Professor (Grade -I)	01-11-2021	Till date	2	0	25
Sri Ramakrishna Institute of Technology	Assistant Professor (Senior Grade)	01-10-2016	31-10-2021	5	1	0

Sri Ramakrishna Institute of Technology	Assistant Professor	01-08-2010	30-09-2016	6	2	0
Sri Ramakrishna Institute of Technology	Lecturer	22-01-2010	31-07-2010	0	6	10
SNR Sons College	Assistant Professor	20.07.2000	21.01.2010	9	5	0
Total				23	3	5

Industrial Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Jeetstex Engineering Limited	Electrical Engineer	Maintenance	30.05.1995	30.05.2000	5	0	0
Total					5	0	0

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2023-24	07	20ITP31	Digital Image Processing	T	-
2022-23	06	UITE205	Machine Learning	T	84%
2022-23	05	20IT013	Web Technology	T	93%
2021-22	06	UITE208	PHP and MySQL	T	90%
2021-22	08	UITC018	FYP Phase II	L	88%
2021-22	05	UITC201	Web Programming	T	83%
2021-22	07	UITC017	FYP Phase I	L	87%
2020-21	04	UITC008	Information Theory and coding	T	92%
2020-21	08	UITC018	FYP Phase II	L	86%
2020-21	07	UITE215	Management Information System	T	95%
2020-21	07	UITC017	FYP Phase I	L	89%
2019-20	07	IT6701	Information Management	T	90%
2019-20	04	UITC008	Information Theory and Coding	T	100%
2018-19	05	CS6502	Object oriented Analysis and Design	T	94%

2018-19	04	UITC008	Information Theory and Coding	T	97%
2017-18	01	UICH009	Information Technology Professionals and Society	T	84%
2017-18	04	CS6403	Software Engineering	T	86%
2017-18	06	CS6601	Distributed Systems	T	88%
2016-17	03	CS6301	Programming and Data Structures -II	T	92%
2016-17	02	CS6202	Programming and Data Structures -I	T	94%
2016-17	04	CS6001	C#.Net and Programming	T	94%

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2023-24	7	An Automated Tomato Sorting using a hybrid CNN-ANN based Algorithms	UG
2023-24	7	A Deep Learning Approach for tomato ripeness classification	UG
2022-23	8	An Experimental Tomato Classification Using Deep Learning Algorithm	UG
2021-22	8	Tomato Classification Using Digital Image Processing	UG
2020-21	8	Pollution monitoring system with IoT	UG
2019-20	8	Online Organic Fruits by using IoT	UG
2018-19	8	Automatic Car Parking System will Bill Generation	UG
2017-18	8	Performance Analysis of Remote Sensing Data using Naïve Bayes and SVM based Supervised Classification	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	2	3
Conferences	-	3

Journal Publications (IEEE format)

1. R.Nagendran, "A New FPCM Based Vector Quantization design for Image Compression in Wavelet in Wavelet domain" CiiT International Journal of Fuzzy Systems, 2009.

2. R.Nagendran, "A Novel FPCM Based Vector Quantizer codebook design for Image Compression in Wavelet packet domain" The International Journal of Multimedia & Its Applications (IJMA), 2010.
3. R.Nagendran, "Color and Texture Based Image Retrieval Using Gabor Wavelet Transform" International Research Journal of Emerging Trends in Multidisciplinary, 2015.
4. R.Nagendran, "Hyperspectral image compression using hybrid transform with Different wavelet-based transform coding" International Journal of Wavelets, Multi resolution and Information Processing. Vol 17, No 2, 2019.
5. R.Nagendran, "Hyperspectral Image Compression Using Hybrid Transform With Embedded Zero-Tree Wavelet And Set Partitioning In Hierarchical Tree", International Journal of Scientific & Technology Research, Volume 9, Issue 06, 2020.

Conference Publications (IEEE format)

1. R.Nagendran, "A Novel codebook design using FPCM for vector quantization" Soft Computing, Image processing, Network and Data Management, 2009.
2. R.Nagendran, "An Efficient Fuzzy Possibilistic codebook design for vector Quantization based image compression in the wavelet domain" Nature and Biologically Inspired Computing, 2009.
3. R.Nagendran, "A New Vector Quantizer codebook design using FPCM Clustering for Image compression in the wavelet domain" Intelligent Design and Analysis of Engineering Products, Systems and Computation, 2010.

Books / Book Chapters (IEEE format)

Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration

Consultancy

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year

Workshops / Seminars attended

1. Attended workshop titled “Electric Mobility-a key to a green future” on 31.05.2021 at Nehru Institute of Technology.
2. Attended workshop titled “Implementation of National Educational Policy” on 28.04.2020 at Department of ECE and SRIT IEEE students branch at Sri Ramakrishna Institute of Technology, Coimbatore.
3. Attended workshop titled “NPTEL Awareness workshop” on 11.01.2020 at Indian Institute of Technology, Madras.
4. Attended workshop titled “Data science and its applications” on 01.07.2020 at Department of CSE, Loyola Institute of Technology.
5. Attended workshop titled “Deep learning using Python” on 20.05.2020 at Panimalar Institute of Technology, Chennai.
6. Attended workshop titled “Research Methodologies in Information and Communication Technology” on 01.03.2014 at Sri Ramakrishna Institute of Technology.
7. Attended workshop titled “Quality Improvement Cell” on 23.01.2014 at Government College of Technology, Coimbatore.
8. Attended workshop titled “Awareness and Training for faculty about New Outcome Based Accreditation (OBA) Processes of NBA” from 23.08.2013 to 24.08.2013 at Jayam College of Engineering and Technology, Dharmapuri.

Faculty Development Program attended (from recent)

1. Attended FDP titled “Big data Analytics and Visualization” from 28.06.2020 to 29.06.2020 at CSR, st.Joseph’s Institute of Technology.
2. Attended FDP titled, “Data Sciences” from 16.09.2019 to 20.09.2019 at Anna University Regional campus, Coimbatore.
3. Attended FDP titled, “Design of Algorithms (FDP)” from 27.04.2015 to 30.04.2015 at Sri Ramakrishna Institute of Technology.
4. Attended FDP titled, “Cyber Security” from 17.05.2014 to 21.05.2014 at IIT Bombay.
5. Attended FDP titled, “Signals and Systems” from 02.01.2014 to 12.01.2014 at Sri Ramakrishna Institute of Technology.
6. Attended FDP titled, “Database Management Systems” from 21.05.2013 to 31.05.2013 at Sri Ramakrishna Institute of Technology.

7. Attended FDP titled, “Advances in Signal Processing” from 02.05.2013 to 09.05.2013 at Kumaraguru College of Technology, Coimbatore.
8. Attended FDP titled, “Aakash for Education” from 10.11.2012 to 11.11.2012 at Sri Ramakrishna Institute of Technology.
9. Attended FDP titled, “Deep Drive Faculty Enabled Program” from 31.01.2021 to 04.11.2022 at Infosys, Chennai.

Events Organized (from recent)

Conference

1. Organized a National Conference titled “Communication, Computation, Control and Automation” from 28.03.2014 to 29.03.2014.
2. Organized a National Conference titled “Communication, Computation, Control and Automation” from 09.03.2012 to 10.03.2012.
3. Organized a National Conference titled “Communication, Computation, Control and Automation” from 23.04.2010 to 24.04.2010.

FDP

1. Organized FDP titled “Recent Research Issues on Digital Image Processing” from 24.05.2021 to 28.05.2021 at Sri Ramakrishna Institute of Technology.
2. Organized FDP titled “Cyber Security” from 10.07.2014 to 20.07.2014 at Sri Ramakrishna Institute of Technology.

Workshops

1. Organized a workshop titled “Multimedia compression techniques using Matlab” on 18.02.2020 at Sri Ramakrishna Institute of Technology.
2. Organized a workshop titled “Image Processing using Python and OpenCV” on 07.02.2019 at Sri Ramakrishna Institute of Technology.
3. Organized a workshop titled “Image Processing using Matlab” on 30.08.2019 at Sri Ramakrishna Institute of Technology.
4. Organized a workshop titled “IoT and its applications” on 15.09.2018 at Sri Ramakrishna Institute of Technology.

Seminars

1. Organized a webinar titled “Web Technology and Introduction to jQuery” on 03.06.2020 at Sri Ramakrishna Institute of Technology.

2. Organized a seminar titled “Digital Image Processing and its Applications” on 03.03.2015 at Sri Ramakrishna Institute of Technology.
3. Organized a seminar titled “Cloud Computing and its Applications” on 01.02.2013 at Sri Ramakrishna Institute of Technology.

Online Courses Completed

Sl. No.	Title	Platform
1	Deep Learning with Python and PyTorch	IBM
2	How to secure funding-ECR edition	Research Academy
3	Funding Hacks for Researchers	Research Academy
4	How to conduct evidence-based research	Research Academy
5	Structuring your article correctly	Research Academy
6	Guide to reference managers: How to effectively manage your references	Research Academy
7	How to prepare your manuscript	Research Academy
8	How to write an abstract and improve your article	Research Academy
9	Outbreaks and Epidemics	Coursera
10	Excel Skills for Business: Essentials	Coursera
11	AI for Everyone	Coursera
12	Introduction to HTML5	Coursera
13	Introduction to CSS3	Coursera
14	HTML,CSS,and Javascriptfor web developers	Coursera

Awards and Recognitions Secured

1. Gold Award, for the Invention entitled “Collar Cleaning Machine” exhibited at World Invention Creativity Olympic (WICO) 2018 on 02.08.18 - 4.08.18 at Seoul, Korea.
2. Recognized as Bronze Partner faculty – under Inspire – The Campus connect Faculty Partnership Model by Infosys Limited.(15-16)
3. Recognized as Silver Partner faculty – under Inspire – The Campus connect Faculty Partnership Model by Infosys Limited.(16-17)
4. Recognized as Silver Partner faculty – under Inspire – The Campus connect Faculty Partnership Model by Infosys Limited.(17-18)
5. Recognized as Silver Partner faculty – under Inspire – The Campus connect Faculty Partnership Model by Infosys Limited.(18-19)
6. Recognized as Bronze Partner faculty – under Inspire – The Campus connect Faculty Partnership Model by Infosys Limited.(19-20)
7. Member in the Question Paper Passing for Karunya University.
8. Chief Guest for the Symposium at Kalaivani College of Technology, Coimbatore.
9. Judge for the Paper Presentation at RVS College of Engineering and Technology.
10. External Examiner for valuation for various Autonomous Colleges.

Self-appraisal

Major Strengths

- Hardworking and Dedication.
- Passion on Teaching and updating new trends.
- Administrative Quality.

Major Weakness

- Project Consultancy to Industries to be improved.
- Research Funding and applying patent activities to be improved.
- Publishing Books and journals to be improved.

Signature