

FACULTY PROFILE

1. Personal Details.

Name : Dr. DIVYA A
Designation : Assistant Professor
Date of Birth: : 24/08/1987
Father's Name : Anjanappa H
Mother's Name : Garudamma
Job Type: : Regular
Pay scale and Basic :
Employee ID : ECU009

Photo



2. Contact Information.

Postal Address : #26, Shiva Nilaya, 3rd main, RHCS layout, Srigandadakavalu, Bengaluru - 560091

Official E-mail ID : divyavsagar.ec@drait.edu.in

Telephone No. : NA

Mobile No. : 9741058038

3. Educational Qualification.

Degree	Specialization	Board/University	Year of Passing	Class Obtained
Ph.D.	Image Processing	BU	2023	PASS
M.E./M.Tech.	Digital Electronics	VTU	2012	FCD
B.E./B.Tech.	Telecommunication	VTU	2009	FC

4. Experience.

	Institution/Company	Designation	Duration
Teaching :	Dr. Ambedkar Institute of Technology	Assistant Professor	13.7 Years
Industrial :	NIL	NA	--
Total Experience			13.7 Years

5. Areas of Specialization.

- Image Processing
- Signals and Systems
- Patter Recognition

6. Courses Taught.

UG Courses: Signals and Systems, Digital Image Processing, Wireless Communication, Control Systems, Basic Electronics, RM & IPR.

PG Courses: NIL

Laboratory Courses: Electronic Devices, DSP Lab, LIC Lab

7. Research Publications.

Sl. No.	International Journals
1	Divya A, Amrut kumar, and Sangamesh Dalavayiand, “Solar Air Purifier and Quality Monitoring System,” International Journal of Engineering Development and Research, vol. 13, issue 4, pp 1-7, 2025.
2	Divya, A., Raja, K.B. and Venugopal, K.R., “Person re-identification based on texture analysis and subspace learning”, International Journal of Biometrics, Accepted, 2024. (Q3)
3	Divya A and K B Raja, “Person Re-Identification Utilizing GLCM, Radon Transform, and LDA based on Generative Adversarial Network,” Journal of Electronics and Telecommunication System Engineering, vol. 1, issue 3, pp 15-29, 2024.
4	Ramesh S, Pushpalatha G S and Divya A, “Random Sequence-Generated Image Encryption and Decryption Using a Chaos Algorithm,” International Journal of Research and Analytical Reviews, vol. 11, issue 3, pp. 388-399, 2024.
5	Ravinaik D, Divya A, Harshith K Raj, K Suresh Babu, K B Raja, and Venugopal K R, “GAN-based Person Reidentification using DWT,” International Journal of Applied Electronics, vol. 5, issue 2, pp. 11-28, 2024.
6	Narasimha Reddy B.V, Divya A, Harshith K Raj, K B Raja, and Venugopal K R, “Tagged Pixel-Based Facial Recognition Using Optimized Features and ANN,” Journal of Engineering and Technology Management, vol. 72, pp 627-649, 2024.
7	M. Niranjana Kumara, A. Divya, K.B. Raja, K.R. Venugopal, "Face Recognition Based on Windowing Techniques, with Compressed Hybrid Domain Features," SSRG International Journal of Electronics and Communication Engineering, vol. 10, no. 10, pp. 64-75, 2023.
8	Divya, A., Raja, K.B. and Venugopal, K.R., “An optimised local feature compression using statistical and structural approach for face recognition”, International Journal of Computational Vision and Robotics, Vol. 13, No. 5, pp 469-496, August 2, 2023.
9	Divya, A., Raja, K.B. and Venugopal, K.R., “Windowing approach for face recognition using the spatial-temporal method and artificial neural network”, International Journal of Applied Pattern Recognition, Vol. 6, No. 2, pp.124–162, 24 November 2020.
10	Monikashree.T.S, Divya.A, Kesthara.V and Nithyashree.S, “Area Efficient Full Subtractor Design using CMOS Technology”, ITSI Transactions on Electrical and Electronics (ITSI-TEEE), Vol. 2, Issue 4, pp. 25-29, 2014.

11	Divya.A and Priya.H.K, “A Wavelet Transform Based Watermarking Algorithm for Protecting Copyrights of Digital Images”, ICTACT Journal on Image and Video Processing, Vol. 4, Issue 1, pp. 657-660, 2013.
	National Journals
	Nil
	International Conferences
1	Kesthara V, Divya A, Triveni, and Sajidha B Thabbassum, “Face recognition with low-dimensional discriminative features and neural networks”, IEEE 7th PhD Colloquium on Emerging Domain Innovation and Technology for Society (PhD EDITS), pp. 1-2, 2025.
2	Divya.A, Raja.K.B and Venugopal.K.R, “Sorting Pixels based Face Recognition using Discrete Wavelet Transform and Statistical Features”, International Conference on Imaging, Signal Processing and Communication(ICISPC), Vol. 3, pp. 150-154, 19 December 2019.
3	Divya.A, Raja.K.B and Venugopal.K.R, “Face Recognition based on Windowing Technique using DCT, Average Covariance and Artificial Neural Network”, International Conference on Intelligent Informatics and Biomedical Science (ICIIBMS), Vol. 3, pp. 335-342, 29 November 2018.
	National Conferences
	Nil
	Book Chapters
1	AI and IoT Based Epidemic Surveillance Systems for Early Detection and Smart Containment of Infectious Diseases. In: RADemics: AI and IoT Based Epidemic Surveillance Systems for Early Detection and Smart Containment of Infectious Diseases, Rademics, 2025. DOI: 10.71443/9789349552548-12.
	Books Published
1	Internet of Things - Concepts, Technologies, and Applications, RG International Publication, 2026.

8. Research Projects and its details.

Sl. No.	Title	Funding agency/ Industry	Duration	Amount	Sanctioned/ applied	If sanctioned, status?

9. Patents Applied/Granted: National. International, commercialized.

Academic Year	Patent Number & Date of filing	Title	National/ International	Published Date	Grant Date
2025-26	494798-001	AI-based Communication Network Testing Device	National		15-03-2026
2024-25	202441074565A 02-10-2024	Power efficient VLSI implementations for real time AI applications	National	11-10-2024	
2023-24	202341056622A	Verilog-Based Bist	National	08-09-2023	

	23-08-2023	Architecture Design and Implementation for Low-Power VLSI Applications			
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10.Sponsored Programs / Grants.

Sl. No.	Agency	Project Title	Amount	Duration

11.FDPs, Workshops, STTPs, MOOCs Attended.

Sl. No.	Program	Organization	Duration	Year	Type of Activity	Sponsored by
1	Climate Risk Management	NITTTR, Kolkata	05 Days	9th to 13th Feb, 2026	FDP	NITTTR
2	Artificial Intelligence in Healthcare: Intelligent Systems and Applications for Modern Medical Needs	Sreenidhi Institute Of Science & Technology	06 Days	05 th to 10 th Jan 2026	FDP	ATAL-AICTE
3	Smart Communication In IoI : Security & Future Applications And Possibilities	St.Joseph College Of Engineering	06 Days	24 th Feb to 01 st Mar 2025	FDP	ATAL-AICTE
4	Generative AI – Democratization of AI, Responsible AI	Bapuji Institute Of Engineering & Technology	06 Days	17 th to 22 nd Feb 2025	FDP	ATAL-AICTE
5	Advancements in Artificial Intelligence and Machine Learning for Modern Engineering Solutions	University College Of Engineering	06 Days	27 th Jan 2025 to 01 st Feb 2025	FDP	ATAL-AICTE
6	Introduction to Industry 4.0 and Industrial IoT	NPTEL-AICTE	2Weeks	Jan-Apr 2025	FDP	NPTEL-AICTE
7	Advanced Techniques in AI and Machine Learning	College Of Engineering, Cherthala	06 Days	06 th to 11 th Jan 2025	FDP	ATAL-AICTE
8	AI Integrated Next Generation. Semiconductor Devices	P.V.K.K. Institute Of Technology	06 Days	16 th to 2st Dec 2024	FDP	ATAL-AICTE

9	Promoting and Managing Agri Export Supply Chain	Indian Institute of Plantation Management	05 Days	21 st to 26 th Oct 2024	FDP	ATAL-AICTE
10	Languages and Methodologies for Future ASIC Verification	SJBIT	06 Days	26 th to 31 st Aug 2024	FDP	ATAL-AICTE
11	Cyber Security and Privacy	NPTEL-AICTE	2 Weeks	Jul-Oct 2024	FDP	NPTEL-AICTE
12	Advanced Pedagogy	NITTTR, Kolkata	2 Weeks	3rd June to 14th June, 2024	STTP	NITTTR
13	VLSI to System Design: Silicon to End Application approach	STMicroelectronics	05 Days	31 st July - 4 th Aug 2023	Workshop	AICTE
14	Bio-Medical Engineering	NITTTR, Kolkata	05 Days	24th July to 28th July, 2023	FDP	NITTTR
15	Electronics Circuit design using Lab View	VTU - HRDC	05 Days	12 th to 16 th June 2023	FDP	AICTE
16	Integrating Autodesk Fusion -360 in Engineering Subjects	Lendi Institute of Engineering & Technology	05 Days	26 th June - 1 st July 2023	FDP	--
17	Cyber Crime and Forensic Tools	NITTTR, Chandigarh	05 Days	8 th to 12 th May 2023	FDP	AICTE
18	Trends & Challenges in the development of Electric Vehicles & Hybrid Electric Vehicles	Lendi Institute of Engineering & Technology	2 Weeks	1th to 18 th Nov 2022	FDP	--
19	Inculcating Universal Human Values in Technical Education	AICTE	05 Days	6th to 10th June 2022	FDP	AICTE
20	An Overview of Teaching Techniques in Basics of Electronics and Communication Engineering	VTU - HRDC	05 Days	13 th to 17th Dec 2021	FDP	AICTE
21	Competence to Explore Artificial Intelligence World	Dr.AIT	05 Days	30.11.2021 to 04.12.2021	Workshop	IETE

22	Artificial Intelligence and Machine Learning: Research And Application Perspective	Ballari Institute of Technology and Management	05 Days	25 th to 29 th Oct 2021	FDP	ATAL-AICTE
23	Digital Design using Intel Edge Centric FPGA	DSCE	05 Days	27 th Sept to 1 st Oct 2021	FDP	--
24	Applications of Machine Learning	Rajiv Gandhi University	05 Days	13 th to 17 th Sept 2021	FDP	ATAL-AICTE
25	Current Era – A Technology driven Digital Transformation in Industry 4.0	SJBIT	06 Days	30 th Aug to 4 th Sept 2021	FDP	--
26	Deep Learning for Computer Vision	Panimalar Engineering College	05 Days	23 rd to 27 th Aug 2021	FDP	ATAL-AICTE
27	Quantum Computing Algorithms and Machine Learning	RV College of Engineering	05 Days	02 nd to 6 th Aug 2021	FDP	ATAL-AICTE
28	5G Wireless Technology	Dr.AIT	02 Days	5 th & 6 th Mar 2021	STTP	KSTA
29	NBA Accreditation and Teaching -Learning in Engg	NPTEL-AICTE	2Weeks	Jan-Apr 2021	FDP	NPTEL-AICTE
30	Orientation Programme in pedagogy	Dr.AIT	03 Days	30 th May - 1 st June 2016	FDP	TEQIP
31	MEMS design using Intellisuite software	Dr.AIT	03 Days	3 rd - 5 th May 2016	FDP	TEQIP
32	VLSI and Embedded systems	Dr.AIT	02 Days	28 th -29 th Apr 2016	Workshop	TEQIP
33	Principles of Photonics and application	MSRIT, Bangalore	05 Days	20 th – 24 th July 2015	FDP	TEQIP
34	Advances in Power Electronics & Drives	UBDT College of Engineering, Davangere	04 Days	5 th – 8 th June 2015	FDP	TEQIP
35	Advanced Polymer Processing Technology	Dr.AIT	02 Days	6 th -7 th May 2014	FDP	TEQIP
36	Industry Readiness in Engineering Education	Dr.AIT	03 Days	23 rd - 25 th April 2015	FDP	TEQIP

37	Hands-on-Training on FEKO	Dr.AIT	05 Days	7 th -11 th April 2015	FDP	TEQIP
38	Research Methodologies & Latex	Dr.AIT	02 Days	23 th -24 th Jan 2014	FDP	TEQIP
39	Image Processing using PYTHON	Dr.AIT	02 Days	13 th -14 th Aug 2013	Workshop	TEQIP
40	Advances in signal processing and Pattern Recognition	MSRIT	01 week	29 th July - 03 rd Aug 2013	FDP	TEQIP
41	Graphical system design in Engineering	Dr.AIT	05 Days	15 th -19 th July 2013	Workshop	TEQIP
42	VLSI system on chip design and validation	MS Engineering College	04 Days	10 th -13 th July 2013	FDP	ISTE
43	Research challenges in EEG signal analysis and application	Dr.AIT	02 Days	25 th -26 th June 2013	FDP	TEQIP
44	Concepts and research trends in interdependencies among Cloud Computing ,Bigdata and Parallel Computing	Cresys Technologies	03 Days	17 th -19 th June 2013	FDP	TEQIP
45	DSP Fundamentals and Applications to power electronics and drives	Dr.AIT	05 Days	03 rd -07 th June 2013	FDP	TEQIP
46	Network Simulator-2	Cresys Technologies	03 Days	10 th -12 st May 2013	FDP	TEQIP

12.FDPs, Workshops, STTPs, MOOCs Organized.

Sl. No.	Program	Role	Duration	Month/Year
1	Workshop on “Android Application Development”	Coordinator	01 Day	18/03/2016
2	Webinar on “Guidelines for Project Work and Paper Presentation”	Coordinator	02 Days	9-10, April, 2021
3	Webinar on “Guidelines for Project Work and Paper Presentation”	Coordinator	02 Days	28-29, April, 2021
4	Seminar on “Awareness Program for Civil Services Examination”	Coordinator	01 Day	04/01/2022
5	Seminar on “Global Education Awareness Program”	Coordinator	01 Day	31/07/2023

6	Seminar on “Upskilling Course on 5G Communication Technology”	Coordinator	01 Day	01/08/2023
7	Seminar on “Present trends and future in VLSI Design”	Coordinator	01 Day	29/04/2025

13.Membership of professional bodies/societies and its details.

Sl. No	Society/ Professional Body	Type of Membership Ex: LM/Y/HY...
1	SIE	LM- Life member
2	IAENG	LM- Life member
3	IETE	Student Member

14.Administrative Responsibilities.

Department Coordinator:

Sl. No	Coordinator Name
1	Mini Project Co-ordinator
2	Technical Magazine Co-ordinator
3	Student Mentor

NBA/NAAC Coordinator:

Sl. No	Coordinator Name
1	NBA Criteria 6 Head

Examination Duties:

Sl. No	Examination duties
1	Invigilation (CIE and SEE)
2	Question Paper Setter (CIE and SEE)
3	Valuation of Answer Scripts (CIE and SEE)
4	Internal Examiner for Practical Examinations

Other Institutional Responsibilities:

Sl. No	Institutional Responsibilities
1	MSME Co ordinator

15.Awards and Recognitions.

16.Invited Talks / Guest Lectures (As a Resource person).

S.N.	Name of the STTP/FDP	Date	Location	Organized by
1	Emerging innovating in Applications of Signal and Image Processing	18/10/2023 to 19/10/2023	Bengaluru	NMIT
2	From Data to Discovery: MATLAB Skills for Faculty Researchers	4/12/2023 to 8/12/2023	Bengaluru	NMIT

17.Professional Development Activities.

- Reviewer for Journals:
- Editorial Board Membership:
- Session Chair:
- Technical Committee Membership:

18.Publications Profile Links.

Google Scholar: xPv-4a4AAAAJ

Scopus Author ID: 57212532514

ORCID ID: 0000-0002-8470-3947

Web of Science Researcher ID: AAF-5628-2021

Vidwan Profile: 344644