

Name	Dr.W.DEVAPRIYA, Associate Professor			
Department	ECE			
Qualification	B.E., M.E., Ph.D.,			
Area of Specialization	DIGITAL IMAGE PROCESSING			
Date of Joining (KSR IET)	04-06-2012			
Experience (as on 01.06.2020)	Teaching:13	Industry:1.5	Others: -	
Number of Papers Published	Patents : 02 National Journals: - International Journals:04			
Number of Papers Presented	National Conferences:08 International Conferences: 02			
Books Published	National Publisher: - International publisher:-			
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 **Google scholar link** : https://scholar.google.com/citations?hl=en&user=w_EHIIIAAAJ

 **ORCID** : <https://orcid.org/0000-0002-7337-1684>

 **ResearcherID**: [I-4557-2018](https://orcid.org/0000-0002-7337-1684)

Scopus **Scopus Author ID**: [57189069928](https://orcid.org/0000-0002-7337-1684)

Web of Science ResearcherID : [I-4557-2018](https://orcid.org/0000-0002-7337-1684)

Publications:

Patents

Dr.W.Deva Priya and 12 others “Artificial Intelligence Enabled Bot For Railway Track Cleaning”, Application No is 202041007777, Date of File: 24th Day of February 2020.

Dr.W.Deva Priya and 23 others “Harvesting Machine For Tapioca Vegetables” Application No is 202041012787, Date of File: 24th Day of March 2020.

International Journals

1. C. Nelson Kennedy Babu **W. Deva Priya**, T. Srihari , “Effective Crop Loss Assessment for Picture Based Insurance Claim”, TEST Engineering & Management 83 (March - April 2020), 11605 – 11610.
2. **Devapriya, W**& Nelson Kenned Babu, C 2016, ‘Indian Traffic Sign Recognition Using HSV Color Model and Kernel Extreme Learning Machine’, International Journal of Printing, Packaging & Allied Sciences, vol. 4, no. 5, pp. 3381-3391, ISSN: 2320-4387.
3. **Devapriya, W**, Nelson Kennedy Babu, C & Srihari, T 2016, ‘Real Time Speed Bump Detection Using Gaussian Filtering and Connected Component Approach’, Circuits and Systems, vol. 7, pp. 2168-2175 ISSN: 2153-1293. IF – 0.88
4. **Devapriya, W**, Babu, C & Srihari, T 2015, ‘Indian License Plate Detection and Recognition Using Morphological Operation and Template Matching’, World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Information Engineering, vol. 9, pp. 1012- 1018. ISSN: 2010-3778. IF - 1.04

International Conferences

1. **Devapriya, W**, Nelson Kennedy Babu, C & Srihari, T 2015, ‘Advance Driver Assistance System (ADAS)—Speed Bump Detection’, IEEE International Conference on Computational Intelligence and Computing Research, Madurai, 10-12 December, 1-6. <http://dx.doi.org/10.1109/ICCIC.2015.7435753>
 2. **Devapriya, W**, Nelson Kennedy Babu, C & Srihari, T 2015,2016, “Real Time Speed Bump Detection Using Gaussian Filtering and Connected Component Approach”,IEEE Sponsored World Conference on Futuristic Trends in Research and Innovation for Social Welfare(WCFTR'16) March 2016
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National Conferences

1. **Dr.W.Deva Priya** , S. Nivetha, P. Priyadharshni, G. Santhia “Lane Departure warning System ”, National Conference On "Challenges and opportunities In Industry 4.0 – COIN’2020 on 14.03.2020.
 2. **Dr.W.Deva Priya**, P.Pavithra, S.Suganthi,G.Vinothini “Voice Based Smart Home Automation Using IoT 2019.
 3. **Dr. W.Devapriya**, “Multitasking Robot for modern Agriculture”, National Conference on Recent Trends in Communication and Information technology (RTCIT- 17 &18) March 2018.
 4. **Dr. W.Devapriya** “Automatic face recognition System for Visually Impaired person”, National Conference on Recent Trends in Communication and Information technology (RTCIT- 17 &18) March 2018.
 5. **Devapriya, W**&Nelson Kennedy Babu, C 2016,‘Traffic sign Detection and Recognition using Support Vector Machine’, National Conference Trends in Engineering Applications and Management, Velalar College of Engineering and Technology, Erode, March.
 6. **Devapriya, W**&Nelson Kennedy Babu, C 2016, ‘Speed Bump Detection’, 2016NCRTEET, KSR Institute for Engineering and Technology, March.
 7. **W.Devapriya**, “IOT Based GIS for Waste Disposal in Urban Scenarios”, International Conference on Recent Trends in Engineering and Technology (ICRTET 2k17) KSR Institute for Engineering and Technology, 17.03.17
 8. **Devapriya. W**, 2008,“Image retrieval using soft label SVM based on log Base RFS”, National Conference on recent advanced in computer Technologies, Karunya University, 28.03.2008
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Funding Proposals Received

S.No	Title of The Programme	Name of the Funding Agency	Role	Sanctioned Amount
1.	KSRIET Aspiring ICT based SPDC	AICTE, New Delhi	Co ordinator	Rs.21,68,839
2.	IPR an entrepreneur view	MSME-IPR	Chairperson	Rs.1,00,000

Funding Proposals Submitted

S.No	Title of The Programme	Name of the Funding Agency	Status	Academic Year
1.	FDTP on “EC6403 – Electromagnetic Fields”	Anna University	Submitted	2015-2016
2.	‘Digital Marketing – Boon to Farmers’: Dissemination of Innovative TechnologyDIT 2019	TNSCST	Submitted	2018-2019
3.	STTP on “Internet Of Medical Things (IOMT) : Trends, Perspectives and Prospects of Machine Learning for Biomedical Applications”	AICTE	Submitted	2018-2019
5.	ISRO sponsored one day National Seminar programme	ISRO Sponsored	Submitted	2019-2020

	On Precision Farming using Satellite Imaging			
6.	ATAL FDP on Artificial Intelligence	ATAL - AICTE, New Delhi	Submitted	2019-2020
7.	Accident Avoidance using Lane Departure - Student Project Proposal 2019	TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY	Submitted	2019-2020
8.	Identification And Removal of Pesticides Residues from Fruits And Vegetables Using Deep Learning	MSME	Submitted	2019-2020

Project Contests Guided

S.No	Contest Name	Title of the project	Industry name	Year
1.	India Innovation Challenge Design Contest 2018	Automatic face recognition System for Visually Impaired person	TEXAS INSTRUMENTS – sponsored by Department of Science and Technology (DST), IIM Bangalore	2018
2.	Student Project Scheme	Bomb diffusion	Tamil Nadu State Council for Science and Technology	2018
3.	Student Project Scheme	Defusing The Bomb Using MSP430 and Android APP	Tamil Nadu State Council for Science and Technology	2017

4.	India Innovation Challenge Design Contest 2017	IOT Based GIS for Waste Disposal in Urban Scenarios	TEXAS INSTRUMENTS – sponsored by Department of Science and Technology (DST), IIM Bangalore	Received \$ 200 2017
5.	India Innovation Challenge Design Contest 2017	Defusing The Bomb Using MSP430 and Android APP	TEXAS INSTRUMENTS – sponsored by Department of Science and Technology (DST), IIM Bangalore	2017
6.	India Innovation Challenge Design Contest IICDC- 2019	Lane departure Warning system (1347613)	TEXAS INSTRUMENTS – sponsored by Department of Science and Technology (DST), IIM Bangalore	Received \$ 200 2019
7.	India Innovation Challenge Design Contest IICDC- 2019	Water Measuring Meter In Huge Apartments (1090093)	TEXAS INSTRUMENTS – sponsored by Department of Science and Technology (DST), IIM Bangalore	Received \$ 200 2019

Programmes Attended (Seminar/ Workshop/ FDP / STTP others)

- Next Generation Firewall (Online Live FDP), Organised by ICT Academy on 29.05.2020
 - “Webinar on Machine Learning using Python ,Organised by BrainswigEdutech Pvt Ltd, Chennai on 20.04.2020
 - Webinar on Online Classroom - Need of the hour, Organised by IFEEES / GEDC / IUCEE Global Webinars on 20.04.2020
 - Webinar on Home automation – IoT, Organised by MSME on 22.04.2020
 - Webinar on “Research outcomes: Technical paper writing,Research proposal, Patent filing”, Organised by Datateach on 22.04.2020
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- 6 Days Webinar on “EXPLORING OUTCOME BASED EDUCATION (OBE) AND NBA PROCESS” Organised by knowledge Institute for Engineering 07.05.2020 – 13.05.2020.
 - Webinar on Leadership Talk 1MHRD Innovation cell on 16.05.2020, 30.05.2020 and 06.06.2020.
 - Seminar on ‘Cyber security and Ethical Hacking’ KSRInstitute for Engineering and Technology.
 - “Wavelet Video Processing Technology” Dept of ECE, Nandha College of Technology
 - Writing Successful Proposal to Funding Agencies, R&D Cell, KSRIET
 - Seminar on “Research Methodology” Dept. of EEE / KSRIET.
 - “Matlab and Simulink for Engineering and Research”, Design Tech Systems Limited at Hotel Zone by the Park, Coimbatore
 - National Seminar on “ Deep Learning Challenges in Big Data Analytics”, SERB & Dept of ECE, KSRCT
 - Two days National Seminar, “Deep learning: Smart Tool for Big Data Challenge in Health Care”, Dept of ECE, KSRCT
 - Faculty Development Programme on “Medical Informatics Extraction Using Soft Computing Techniques”, Dept of ECE, KIOT
 - Workshop on “Microcontroller & ARM”, Dhanalakshmi Srinivasan College of Engineering, Coimbatore.
 - Workshop on “Application of Mathematical Models in Digital Image Processing”, Dept of ECE / University College of Engineering, Dindigul
 - Seminar on “Agilent Measurement”, Agilent Technologies.
 - AICTE Sponsored Faculty Development Programme on “Research and Reconfigurable Embedded System for Medical Science”, Dept of EEE, KSRIET.
 - National Workshop on “Mathematical Transform: Fundamentals and Research Applications Using MATLAB”, Kongu Engineering College.
 - Workshop on “Soft computing tools in Signal and Image Processing’s, Xavier Catholic College of Engineering.
 - One day workshop, “Research opportunities in Digital Image Processing in today
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Scenario” Signal and Image Processing Research Centre, Sona College of engineering.

- National level workshop on “Digital Image Processing and its Applications”, Cape Institute of Technology.
- National Workshop on “Research methodology for Engineering and Management”, Dept of EEE, Kongu Engineering College.
- One day Workshop on “Recent Trends in advanced Communication Systems”, Dept of ECE, Vivekanandha College of Engineering for Women.

Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other)

- Workshop on “Signal and Image Processing using MATLAB” Feb 2018
- Workshop on “Signal and Image Processing using MATLAB” Feb 2018
- Signal and Image Processing using MATLAB Department of ECE, K S R Institute for Engineering and Technology 03.02.18 Organized Value added course on “ Project based Learning using Matlab”, Dept of ECE,KSRIET
- Faculty Development Programme on “Foundation Programme on Electromagnetic field”,EQUIP Foundation & K S R Institute for Engineering and Technology
- Faculty Development Workshop on “Linear Integrated Circuits”, Dept. of ECE, KSRIET
- National Symposium on Acoustics, KSRIET.

Resource Person:

- Resource person to “**MATLAB Onramp Course**”
- Jury for Various conference and Symposium.
- Acts as a resource person to “Introduction of Digital Image processing “, for Dept EEE, KSRIET.
- Acts as a resource person for workshop on “Signal and Image Processing using MATLAB”, for other college students.

Online Certificate:

- **Mentor certificate** and Elite Grade on “DIGITAL IMAGE PROCESSING” NPTEL & SWAYAM, 2018
 - MATLAB Onramp online Course
 - Deep Learning Onramp Online course
 - **Elite Grade** “Digital Image Processing”
 - SQL Certification – Certified by Expert Rating
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Consultancy Activities (Industry)

S.No	Title of the Project	Name of the Company
1.	Smart Home using IOET	Enthu Technology Solutions India PVT LTD No. 88, SSN Square, PeelameduPudhur, Coimbatore - 641 004, Tamil Nadu.

Membership in Professional Bodies

- Indian Society for Technical Education (ISTE) - Life Member (LM 84491)
- International Association of Engineers – (IAENG) (Member No: 119627)
- Institute for Engineering Research and Publication – IFERP (Membership ID No- PMIN78635291)
- Fellow member of The RED Institute of Research Engineers and Doctors (Membership No- SM101000602580)

Additional Professional Responsibilities

- Department **National Board of Accreditation (NBA)** Coordinator
- Department **MSME** Coordinator
- Department **R&D** Coordinator
- Domain lead for Signal & Image processing domain
- Editor in Journal – international journal of Key Scientific Research for Industrial Engineering and Technology (ijKSRIET)

Subject Links

<http://ksriet.org/login.php>

[youtube channel:](#)

Official : https://www.youtube.com/channel/UCIDKg5ctsX2Aw8Ov_TF6Xog?view_as=subscriber

Personal : https://www.youtube.com/channel/UCF9KppjIzi8BduwrcRWirAw?view_as=subscriber
