


Faculty Profile

Name	:	MAHESWARI.P					
Date of Birth	:	10.05.1982					
Highest Qualification	:	M.E.(Communication Systems)					
Date of Joining	:	15.06.2023					
Designation	:	ASSISTANT PROFESSOR					
Date of promotion (Present Designation)	:	15.06.2023 - ASSISTANT PROFESSOR					
Area of Interest	:	Image Processing, Intelligent systems design, Deep learning, Machine learning					
Mobile No	:	9626990985,9750706085	Email ID	:	maheshprabhu1205@gmail.com maheswari.p@trp.srmtrichy.edu.in		
Experience	:	Teaching :	3 months	Industry :	Nil	Research :	5 years
Address (for Communication)	:	11/5, Alanganathapuram, 4 th street, Tharanallur. Trichy-620008.					

Association with Professional Bodies

Name (Professional Body)	NIL			
Type of Membership				

Research

Ph. D Guidance				
Supervisor / Guide ship No. :		University :		No. of Scholars :
Publication*				
International Journals	:	4	National Journals	:
International Conference	:	2	National Conference	:
Project Grants (Research projects guided or undertaken/ Sponsored Projects)				
Received (Amount)	:		Applied (Amount)	:
Patent				
Published	:		Granted	:

Books

Published	:	1
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FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	3	Attended :		Attended :		Attended :	1	Attended :	
Organized :		Organized :		Organized :	2	Organized :		Organized :	

Online courses (NPTEL, MOOC etc.)	
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***List of Publications :**

SCI-E Publications:

1. **P. Maheswari**, P. Raja and V.T. Hoang. “Intelligent yield estimation for tomato crop using SegNet with VGG19 architecture”. *Scientific Reports*, vol. 12(1), pp. 1-11, August 2022. (SCI-E, I.F. – 4.996).
2. **P. Maheswari**, P. Raja, O.E. Apolo-Apolo and M. Pérez-Ruiz. “Intelligent fruit yield estimation for orchards using deep learning based semantic segmentation techniques – A review”. *Frontiers in Plant Science*, vol. 12, pp. 1-18, June 2021. (SCI-E, I.F. – 6.627).
3. **P. Maheswari**, P. Raja and D.P. Awasthi, “Deep Learning based Disease Severity Assessment System for Early Blight of Tomato”, *Multimedia Tools and Applications*, vol. 79, pp. 28773-28784, August 2020. (SCI-E, I.F. – 2.577).
4. K.R. Aravind, P. Raja, **P. Maheswari**, C.J. Szczepanski, “Crop identification and disease classification using traditional machine learning and deep learning approaches”, *Journal of Engineering Research*, vol. 11, pp. 228-252. (SCI-E, I.F. – 1.325).

Conference Publications:

5. **P. Maheswari**, M. Jaswanth Reddy, V.S.S. Preetam Reddy, T.S. Bhargav, P. Raja and V.T. Hoang “Yield estimation of guava fruit using U-Net architecture”. *6th International Conference on Trends in Electronics and Informatics (ICOEI-2022)*, 28-30 April-2022, Tirunelveli, India. (Scopus indexed)
6. **P. Maheswari**, P. Raja and N.M. Ghangaokar, “Intelligent Disease Detection System for Early Blight of Tomato using Foldscape: A Pilot Study”, *IEEE 4th International Symposium in Robotics and Manufacturing Automation (ROMA)*, 10-12th Dec’2018.

Invited Book Chapter:

7. K.R. Aravind, **P. Maheswari**, P. Raja and Cezary Szczepanski, “Crop Disease Classification Using Deep Learning Approach: An Overview and a Case Study”, *Deep Learning for Data Analytics: Foundations, Biomedical Applications and Challenges*, Book Chapter, Elsevier Publication, May’2020.
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