FACULTY PROFILE

Name of the Faculty:	**Dr. Premkumar Borugadda**	
Designation:	**Associate Professor**	
Department:	**CSE (AI & ML)**	
Date of Birth:	**14-06-1986**	
AICTE – ID:		

Education	• M.C.A from Andhra University in 2009 • M.Tech in CSE Specialization from Pondicherry University in 2013 • Ph.D in CSE (AI & ML) specialization from Pondicherry University in 2023		
Experience	Teaching: 6 Years	Industry: 0 Years	**Total: 14 Years**
	Research: 8 Years including Ph.D. and Postdoctoral research	Others: 0 Years	

Research Specialization	**Artificial Intelligence, Machine Learning, Deep Learning, and Computer Vision, Remote Sensing, GeoAI**
Courses taught	**1. Machine Learning** **2. Artificial Intelligence & Deep Learning** **3. Introduction to AI & ML** **4. Fundamentals of Data Science** **5. Introduction to R Programming** **6. Introduction to Python, Python for Data Science** **7. Discrete Mathematical Structures** **8. Computer Graphics** **9. Operating Systems**

Research contributions

International/national peer reviewed journals

S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1	An IoT-Assisted Alzheimer's Disease Patient Monitoring System Using Adaptive Deep Learning Models with Recommendation About Patient Abnormality	EURASIP Journal on Advances in Signal Processing – Springer Nature	2026	2026	1–44	Scopus and WoS-SCIE
2	A Comprehensive Analysis of Artificial Intelligence, Machine Learning, Deep Learning and	Journal of Future Foods	2025	6(6	971-987	Scopus and WoS-ESCI

	Computer Vision in Food Science			)		
3	Corporate Social Responsibility (CSR) and Corporate Financial Performance (CFP): A Panel Data Analysis of BSE 500 Companies in India	Discover Sustainability	2025	6	1–15	Scopus and WoS – ESCI
4	Salary Prediction Using Machine Learning Regression Algorithms	Education and Society	2024	48	-	UGC-CARE
5	Transfer Learning VGG16 Model for Classification of Tomato Plant Leaf Diseases: A Novel Approach for Multi-Level Dimensional Reduction	Pertanika Journal of Science & Technology	2023	31	-	Scopus and WoS-ESCI
6	Dimensionality Reduction-Based Approach to Classify the Cotton Leaf Images Using Transfer Learning on VGG16	The Pharma Innovation Journal	2022	11	1361-1366	Google Scholar
7	Lung Cancer Nodule Detection Using Selective Search Feature Extraction and and Segmentation Approach of Deep Neural Network	International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies	2022	13	1-10	WoS
8	Classification of Cotton Leaf Diseases Using AlexNet and Machine Learning Models	Current Journal of Applied Science and Technology	2021	40	29-37	Google Scholar
9	Predicting the Success of Bank Telemarketing for Selling Long-Term Deposits: An Application of Machine Learning Algorithms	St. Theresa Journal of Humanities and Social Sciences	2021	7	-	WoS-ESCI
10	Performance Analysis and Evaluation of Machine Learning Algorithms in Rainfall Prediction	International Journal of Advanced Science and Technology	2020	29	-	Scopus
11	Mixed Data Through Multiple Input for Price Prediction with Multilayer Perception and Mini VGG Net	International Journal of Recent Technology and Engineering	2019	8	6317–6320	Scopus
12	An Analysis of Machine Learning in Wireless Sensor Network	International Journal of Engineering & Technology	2018	7	185-192	Scopus
13	A Survey of Positioning	International	2013	3	-	Google

	Algorithms on Mobile Devices in Location-Based Services	Journal of Advanced Research in Computer Science and Software Engineering				Scholar	

Books published

S. No.	Title of the book	Publisher	year
1	Advanced Machine Learning Applications Using Python Programming (ISBN: 978-93-93769-34-3)	Pandit Publications	2022

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1	Advancements in Smart Farming: Using Internet of Things, Artificial Intelligence, Machine Learning, and Deep Learning	Harnessing AI to Reshape the Future of Agriculture	Springer Nature	**2026**
2	Identification of Defect and Maturity of Fruits Using Image Processing: A Review	Computing Concepts for Science, Engineering, and AI	Springer Nature	**2026**
3	Exploring the Paradigm Shift: A Comprehensive Survey on the Evolution of Data Analysis	Futuristic Trends in Artificial Intelligence, Volume 3, Book 8	IIP Series	**2024**
4	Data Science: The Impact of Machine Learning	Futuristic Trends in Artificial Intelligence, Volume 3, Book 8	IIP Series	**2024**
5	A Review of Machine Learning Techniques for Crop Yield	Futuristic Trends in Artificial Intelligence, Volume 3, Book 8	IIP Series	**2024**

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S.No.	Name of the event	Role	Dates
1	**-**	**-**	**-**

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates
1	5-Day Faculty Development Workshop on "Generative AI & LLM"	Excelr in Association with Acharya Nagarjuna University	17-8-2026 to 22-8-2026
2	RSCy2026 – Twelth International Conference on Remote Sensing and Geoinformation of the Environment	ERATOSTHENES Centre of Excellence, Cyprus	27-4-2026 to 29-4-2026
3	Five-Day Faculty Development Programme on "Recent Trends in Deep Learning and its Applications" (Offline)	SRM University-AP	14-10-2024 to 18-10-2024
4	Six-Day Faculty Development Programme on "Advanced Deep Learning Techniques" (Offline)	K L University	13-05-2019 to 18-05-2019
5	Six-Day Faculty Development Programme on "Machine Learning Techniques for Image Processing and Computer Vision" (Offline)	NIT Warangal	06-05-2019 to 11-05-2019
6	Six-Day Faculty Development Programme on "Big Image Data Processing Using Machine Learning Algorithms" (Offline)	NIT Warangal	11-12-2017 to 16-12-2017
7	Six-Day Faculty Development Programme on "Machine Learning and IoT (Offline)	Usha Rama College of Engineering and Technology, Telaprolu	14-11-2017 to 19-11-2017

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	Young Researcher Award 2022	INSC International Publishers	2022

Student Project/research guidance

S.No	Level	Total number
1	**UG**	**Completed: 0 Ongoing: 2**
2	**PG**	**Completed: 10 Ongoing: 0**
3	**PhD**	**Completed: 0 Ongoing: 0**

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Administrative experience

S.No.	Role	Duration (From – to)
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Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.com/citations?user=yXzMJRcAAAAJ
SCOPUS	https://www.scopus.com/pages/authors/57210887292
Web of Science	**HSG-7498-2023**
Vidwan ID	https://vidwan.inflibnet.ac.in/profile/473496

Any other relevant information

1. Completed a **Postdoctoral Research Fellow** at the **ERATOSTHENES Centre of Excellence, Cyprus**, from October 2025 to July 2026.
2. Completed a **postdoctoral fellow** in the Department of Computer Science and Engineering, **SRM University–AP**, India, from April 2024 to May 2025.
3. Created and manages the **educational YouTube channel** "**Machine Learning Lectures for Beginners**", Channel: https://www.youtube.com/@PREMKUMARBORUGADDA
4. Acted as a **resource person** for the one-day international webinar on "**AI, Machine Learning and Deep Learning: A Beginner's Guide for Undergraduate** Students", organized by Government Degree College, Avanigadda, on 7 March 2026.
5. Acted as a **Resource Perso**n for the one-week online Faculty Development Programme on "**Artificial Intelligence and Machine Learning Applications in Management Research**", organised by Karunya School of Management, Karunya Institute of Technology and Sciences, from 17 to 21 February 2026.
6. Acted as a **resource person** for the national seminar on "**Modern Machine Learning Techniques and AI Tools: A Hands-on Approach**", organized by Government Degree College, Avanigadda, on 5 July 2025.
7. Acted as a **Resource Person** for the one-week Faculty Development Programme on "**Exploring the Power of AI: Machine Learning, NLP and Computer Vision**", organized by the Department of Electronics and Communication Engineering, CVR College of Engineering, Hyderabad, from 7 to 12 April 2025.
8. Delivered an invited session on "**Innovative Food Processing: Integrating Machine Learning and Deep Learning Technologies**" at the College of Food Science and Technology, Pulivendula, A.P on 9 August 2024.
9. Served as a **Resource Person** for the national webinar on "**Introduction to Data Science: Understanding the Role of Data Science in Extracting Insights from** Data", organized by Government Degree College, Avanigadda, on 23 March 2024.
10. Serving as an **Editorial Board Member** of the Journal of International Journal of Artificial Intelligence and Machine Learning for Digital Systems. https://ijaimlds.com/ijaimlds/premkumar-borugadda

11. Served as a **reviewer** for the **Journal of Crop Health and Discover Artificial Intelligence**, published by Springer Nature.
12. Reviewed papers for several national and international conferences, including IEEE ICAIQSA-2024, IEEE ICCCIS-2023, SCOPES-2024, ASCIS-2023/2024 and ICSCPS-2024.
13. Served as an **editor** for the book "**Futuristic Trends in Artificial** Intelligence", Volume 3, Book 8, published by the IIP Series in 2024.
14. Qualified **UGC-NET** for Assistant Professorship/Lectureship in November 2017, **AP-SET** in July 2012 and **TN-SET** in October 2012.
15. Secured **All India 58th Rank** in the Ph.D. (Computer Science and Engineering) Entrance Examination conducted by Pondicherry University in 2017.
16. Secured **26th Rank** in the Ph.D. (Computer Science) Entrance Examination conducted by Acharya Nagarjuna University in 2016.
17. Secured **All India 34th Rank** in the Ph.D. Entrance Examination in Banking Technology conducted by Pondicherry University in 2014.

Online Certification Courses

18. **Artificial Intelligence in Agriculture** — ICAR–NAARM, March 2024
19. **Data Science for Engineers** — NPTEL, January–March 2019
20. **Machine Learning** — NPTEL, February–April 2019
21. **Data Mining** — NPTEL, February–April 2019
22. **How Google does Machine Learning** – Google Cloud, Coursera, January 2019
23. **Introduction to Internet of Things** — NPTEL, July–October 2018
24. **Machine Learning** — Stanford University, Coursera, July 2018
25. **Python for Data Science** — IBM, Coursera, December 2018
26. **Neural Networks and Deep Learning** — Deep Learning. AI, Coursera, September 2018
27. **Applied Machine Learning in Python** — University of Michigan, Coursera, August 2018
28. **Introduction to Data Science in Python** — University of Michigan, Coursera, August 2018

(**Dr. Premkumar Borugadda)**
(10/09/2026)