H.K.E Society´s

Poojya Doddappa Appa College of Engineering, Kalaburagi

FACULTY PROFILE

Personal Details	
Name: Dr. Priyadarshini C Patil	
Designation: Assosiate Professor, (Convener Computer Science & Design Programme)	
Department: Computer Science & Engineering	
College Address: PDA College of engineering Kalaburgi	
Contact: 9535189409	
E-mail id(college mail id): priyacpatil@pdaengg.com	

Areas of Interest	Image Processing, Pattern Matching, Computer Networks

Subjects Taught	
UG	**PG**
C programming for problem solving	Distributed systems
Python Programming	Internet measurements
Object oriented programming	Machine Learning
Computer Graphics and Visualization	
Computer organization	
Graph Theory	
Unix and shell programming	
Android programming	
Web technology	
Unix system programming	
Data structure	
Object oriented Modeling & design	
Java Programming	
Discrete Mathematics	

Academic Background				
Degree	**Specialization**	**Name of the Institute**	**University**	**Month and Year of Passing**
Ph.D	Image processing	PDA College of engineering, kalaburgi	VTU Belagavi	April 2021
PG (M.tech)	Computer science & engineering	PDA College of engineering, kalaburgi	VTU Belagavi	June 2009
UG (B.E)	Information science & engineering	KBN college of engineering, kalaburgi	VTU Belagavi	May 2006

Work Experience				
Name of the Institution	**Position**	**From**	**To**	
PDA College of engineering, kalaburgi	Assistant Teacher	08/09/2007	28/12/2009	
PDA College of engineering, kalaburgi	Lecturer (Assistant professor)	29/12/2009	17/06/2024	
PDA College of engineering, kalaburgi	Associate Professor	18/06/2024	Till date	
Total Experience	18 years	**Teaching** 18	**Research** 12	**Administration** 3

Research Publications					
Total Number of Publications	**International Journal**	**National Journal**	**International Conference**	**National Conference**	**Total**
	13		05		18
Recent Publications (Journals)					
1.	"A Review on Segmentation techniques for food Images", International Journal of Emerging Technology in Computer Science & Electronics, ISSN: 0976-1353 Volume 23 Issue 6 – OCTOBER 2016, pp. 250-255.				
2.	"A Scalable Approach For Image Extraction Using Content Based Image Retrieval In Peer To Peer Network", International Journal of Innovative Science and Research Technology ISSN No: - 2456 – 2165, Volume 2, Issue 5, May – 2017,PP 711-714				
3.	"Segmentation and Identification of Indian food items from Images", Int. Journal of Engineering Research and Application www.ijera.com ISSN : 2248-9622, Vol. 8, Issue3, (Part -1) march2018, pp 49-52, DOI: 10.9790/9622-0803014952				
4.	"A Image Classification Technique for Textual Pattern Retrieval in Universal Images", International Journal of Computer Technology & Applications, Vol 9(3), ISSN: 2229-6093, may-June 2018, pp 169-178				

5.	"Recognition and classification of siridhanya grains using feed forward convolutional neural network". International journal of research and analytical reviews", E-ISSN 2348-1269 ,volume 6 issue 2, June 2019, pp 38-44
6.	"Fine Grained Food Image Segmentation through EA-DCNNs", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-1, November 2019, DOI: 10.35940/ijitee.A3982.119119,pp- 212-218.
7.	"Food image segmentation using edge adaptive based deep-CNNs", International Journal of Intelligent Unmanned Systems, Volume- 8 Issue- 4, pp. 243-252, December 2019. https://doi.org/10.1108/IJIUS-09-2019-0053.
8.	"An Efficient Food Image Classification By Inception-V3 based CNNs", International journal of scientific & technology research (IJSTR), ISSN 2277-8616, vol 9,issue 03, march 2020, pp-6986-6992.
9.	"Transfer learnig: Inception V3 based custom classification approach for food images", ICTACT Journal of Image and Video processing August 2020, Volume: 11, Issue: 01, ISSN: 0976-9102 (ONLINE), pp.2261-2267, DOI: 10.21917/ijivp.2020.0321.
10.	"A Review on Segmentation techniques for food Images", ICCRAES, 2016, 4th – 6th October 2016.
11	"Identification of Obtrusion on Network using Deep Learning Method", International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 10 Issue 12, December-2021.
12	"Food cuisine classification by convolutional neural network based transfer learning approach, IEEE International conference on mobile network and wireless communication 2021,03-04 Dec 2021, DOI: 10.1109/ICMNWC52512.2021.9688333.
13	"Fake Face Detection Using CNN", International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Volume 10 Issue IX Sep 2022, https://doi.org/10.22214/ijraset.2022.45829.
14	"Food Waste Management", International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Volume 10 Issue VII July 2022, https://doi.org/10.22214/ijraset.2022.45766.
15	"Analysis of Facial Expression using Deep Learning Techniques", 2023 IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS)	979-8-3503-9846-5/23/$31.00 ©2023 IEEE	DOI: 10.1109/ICICACS57338.2023.10100110
16	"Image Generation Approach with Generative Adversarial Networks", TELEMATIQUE, ISSN: 1856-4194, Volume 22 Issue 1, 2023, PP.981 – 985. (Publication link - https://www.provinciajournal.com/index.php/telematique/article/view/1226)
17	"Image Super Resolution for telesurgery using ESRGAN", International conference on Recent Trends in AI, IOT, ML, Image Processing and their Applications & Tech Innovations Showcases, 25-27 May 2024, at Guru Nanak Dev Engg., College Bidar, Proceedings of ICAIMI-2024, ISBN: 978-93-340-6239-7.
18	"Secure Development submission and verification using Ethereum Smart Contract and Asymmetric Cryptography", International conference on Recent Trends in AI, IOT, ML, Image Processing and their Applications & Tech Innovations Showcases, 25-27 May 2024, at Guru Nanak Dev Engg., College Bidar, Proceedings of ICAIMI-2024, ISBN: 978-93-340-6239-7.

Memberships in Professional Bodies	
S.No.	**Name of the Professional Body**
1.	The Indian Society for Technical Education (ISTE) LM-129922

	Programs Organized
1.	Coordinator for Industry and institute interaction on "Real Time Data ware Housing & Visualization : Tools and Techniques", 24th-26th March 2017, at PDACEK
2.	Coordinator for "International Women's Day",6th-8th March-2019, at PDACEK
3.	Blue chip Association coordinator - Conducted, Co-curriculum activities, Extra curriculum activities , Cultural activities.

	Training Programs Attended
1	Exploring New Learning Opportunities in IT and Embedded Domain, 5th and 6th October 2012, PDACEK
2	One day Workshop on "Pervasive Computing and Software Defined Radio", 6th November 2012, PDACEK
3	Recent Advances in Communication and Signal processing, 21st to 25th Jan 2013
4	Emerging trends in IT- Career TEQIP, 1st – 3rd March 2013, PDACEK, PDACEK
5	Cloud Computing Technology and its applications TEQIP, 20th to 24th March 2013
6	Real world DSP, from 15th to 27th july 2013, at Channabasaveshwara Institute of Technology Gubbi Tumkur.
7	OraclePL/SQL, 3rd to 6th August 2013, AIET, Kalaburagi
8	Two week FDP on "C-Programming and MATLAB Applications", 10th March to 21st March, 2014,GPT
9	Current & Future Research Trends in Wired & Wireless Networks, 6th to 7th Sept 2014
10	One week FDP on "MATLAB and its Applications in Digital Image Processing and Pattern Recognzation" 13th to 17th October 2014, PDACEK
11	Android Application Development , 3rd to 4th Dec 2014 , PDACEK
12	Advanced Techniques for Simulation of Wireless Networks , Godutai, 13th to 17th Feb 2014
13	One Day UGC sponsored National Workshop on "Recent Developments in Digital Analysis", 30th May 2014, Gulbarga University, Gulbarga
14	Entrepreneurship Development, Seminar, 19th -20th Sept 2014
15	Performance Analysis of Computer Network, (PACN), 22ND TO 26TH Sept 2014 , PDACEK
16	Hands on Training Program on MATLAB and its Applications, 13TH to 17TH 2014, PDACEK
17	Two Day Workshop on "Android Application Development", 3rd & 4th Dec. 2014, PDACEK
18	One Week FDP on "Pedagogy for Effective use of ICT in Engineering Education", from 5th to 31st Jan 2015 , PDACEK
19	2016
20	One Week National Level STTP on "Tools in Teaching, Learning and Research", 25th to 30th Nov 2016, BKIT, Bhalki

21	Big Data and Hadoop, 29th to 4th March 2016, PDACEK
22	Pedagogical Skills Training for Engineering Teachers, 27th Feb – 3rd March 2017,PDACEK
23	Use of E-Recourses for Teaching and Research, 19/05/2017, PDACEK
24	IEEE Xplore and KNimbus e-Library Recourses , 11/03/2017, PDACEK
25	Automation using Internet of Things (IoT), 23rd – 28th , Jan-2017, PDACEK
26	Featuring User Interface Using Python, 24th – 26th March 2017, PDACEK
27	Data Analytics using R – Programming, 7th to 11th March 2017, PDACEK
28	Real Time Data ware Housing & Visualization : Tools and Techniques, 24th-26th March 2017, PDACEK
29	Software Testing & Tools, 21st to 23rd March 2017, PDACEK
30	Electric Vehicle- Controls, Motos, Storage And Technologies, 3 To 7 Sep 2019, PDACEK
31	Discreate Mathematics structure, 27 to 31 July 2019, VTU Kalaburgi
32	Machine Learning Using Python, 25th - 29th May 2020, Reva Bangalore
33	Image Processing And Data Science, 26 To 29 June 2020, CEC, Mangaluru.
34	Contemporary In Research Trends In Electronincs Communication And Computer Science, 6 to 10 July 2020, VTU kalburagi
35	Optimization Techniques For 5g Cellular Networks, 13 to 18 July 2020. SVCE Bangalore
36	Exemplary Practices In Teaching-Learning And Evaluation Of Courses In Computer Science & Information Technology, 3 to 7 August 2020, VTU Kalaburgi
37	OpenStack Containers in Cloud Computing Technology, 23 to 25 March 2021, PDACEK
38	Future Wireless Communication: Standards & Technologies, 24 to 29 May 2021, KSIT Bangalore
39	Deep learning for engineering applications using python, 08 to 13 July 2020, MSRIT Bangalore
40	Computational Biology, 01 to 5th Feb 2021, REVA Bangalore
41	Block chain, 02 to 6th Nov 2020, PDACEK(ATAL)
42	Cyber Security and Tools, 19 to 29th Dec 2020, PDACEK
43	Cyber security and Forensic, 07 to 11 Dec 2020, PDACEK
44	Machine learning with python, 5 Jan to 11 Jan 2022, GNDEC Bidar
45	An insight to Biomedical Instrumentation, Biomedical Signal and Image Processing with hands on experiance and LabVIEW Programming, 2nd to 6th August 2021, PDACEK(ATAL)

46	AI and ML on Research application perspective , 25 Oct 21 to 29 Oct21, BITM, Ballari(ATAL)
47	Machine Learning and Computer Vision, 5th to 9th July 2021, Vignans Foundation for Science Technology and Research University. (Atal FDP)
48	Future Wireless Communication: Standards & Technologies 24th - 29th May 2021, KSIT Bangalore, 6-days AICTE-ISTE funded Induction / Refresher program
49	AI & ML Revolution, 12 Jan to 18 Jan 2022, SLN College of Engg, Raichur
50	Mathematics Laboratory using Python Programming , 21st to 25th Feb 2022,at VTU-HRDC, centre for PG studies, VIAT, Muddenahalli Chikkaballapur
51	Recent trends in research and innovation for forefort technologies, 4-8 Jan 2023, (PDA R&D Cell & ISTE Sponsored) ,PDA College of Engg, Kalaburgi
52	New Age Technologies, 28 march - 1 April 2023, VIT AP University Amaravati
53	Mentoring Skills & cognitive strategies, 29-31 March 2023, Dept of Electronics & telecommunication Engg, BIT Banglore
54	Emerging trends in signal processing, image processing and artificial intelligence, 12 – 16 Sep 2023, Dept of ECE, SJM institute of technology chitradurga
55	Federated machine learning (STTP), 21 – 25 Nov 2023, Dept, of CSE Vardaman collrgr of engineering Shamshabad Hydrabad
56	Outcome based Education, 29 JAN – 21 FEB 2024, Dept., E&I, CVR college of engg ibrahimpatnam, RR dist Telangana
57	Essential of cyber security in blockchain technologies, 19 – 29 feb 2024, Dept., of ISE, VVCE Mysuru

Special Lectures Presented	
1.	Web browser and servers, Training program for HKE staffs at PDACEK
2.	Evaluator and Judge for TOYCATHON 2021, organized by AICTE and GOI-Ministry of Education.
3	Session Chair and Reviewer for IEEE and international conferences.

Role & Responsibilities	
1.	Teaching and supervising undergraduate and postgraduate students.
2.	Assisting with various departmental duties and providing academic support.
3.	Evaluate, monitor and mentor student academic progress.
4.	Participated in departmental and college activities.
5	Serve and support functional activities of departmental committees.
6	Assess, review and evaluate student activities and progress.
7	Computer science & Design Convener
8	Member of Board of Studies (BOS) of Computer Science and Engg. Dept. PDACEK.
9	Member of Board of Examination (BOE) of Computer Science and Engg. Dept. PDACEK..