



**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering & Research
Ravet, Pune
IQAC PCCOER**



**Academic Year:
2023 - 24**

Faculty Profile



Name of Faculty:	Mrs.Vaishali Chandrashekhar Kulloli		
Qualification:	M.E(Computer Engg), PhD(Comp Engg) Pursuing		
Designation:	Assistant Professor		
Department:	Computer Engineering		
Experience:	19 Years 8 Months		
Research Areas/ Area of Specialization	Iris Liveness, Machine Learning, Image Processing		
Courses / Subjects Taken:	<p>Microprocessors(SE(Comp)) Agile Project Management(B.Tech) Computer Programming and Problem Solving Lab(F.Y.B.Tech). Deep Learning Lab(B.Tech Honours) Computer Graphics Machine Learning Data Structures and files(DSF) Computer Organization(CO) Artificial Intelligence(AI) Data structures and algorithms(E&TC) Discrete Structure(DS) Fundamentals of Programming Languages Microprocessor Based Systems(MBS) Compiler Construction Software Engg(SE) Object Oriented Programming Methodology(OOPM). Data Mining and Data Warehousing Green ICT(ME). Advanced Computing Intelligence(ME) Fundamentals of Programming Languages Management of Information Systems</p>	<p>OOPS using C++, Parallel Programming Digital, Digital Electronics, Design & Analysis of algorithms. Database Management systems (DBMS) . Computer Networks System Programming Operating Systems Adv Computer Architecture Discrete Structure(DS) Information Retrieval(IR) Advanced database Systems(ADBMS). Distributed Systems IT Management Information System Security. Mobile Computing Software Design and Analysis Applied Algorithms, Network Design and Analysis. Humanities and Social Science</p>	
Copyright	1	Co-Author for the Book “Data structure and algorithms of SE IT 2012 Course” published by Suyog publications.	ISBN/ISSN no. 978-93-82942-55-9 2013-14, 2014-15

ResearchPublications:	Journals
Journal Publications:	<p>1)Published a paper on “Cross platform Mobile application development” in IJCTT in 13th Jan 2013.</p> <p>2)Published a paper on “Association Rule Mining in distributed environment” in International Journal of Engineering Research and Applications (IJERA) issue no 2 Feb 2014.</p> <p>3)Published in International Journal Paper "Study and Review of Various Image Classification Methods for Diabetes Mellitus Detection" in IRJET in Jan 2016.</p> <p>4) Published a paper on“Tongue Image Analysis with Color and Gist Features for Diabetes Diagnosis” in IRJET Volume 4, Issue 4, January 2017</p> <p>5) Published a paper on“Detection of Macular Edema by Using Various Techniques of Feature Extraction and Classification by SVM Classifier” in IRJET Volume 4, Issue 4, January 2017</p> <p>6) Published a paper on "a survey on facial feature extraction and age estimation using Wrinkle Analysis” in IJISRT, Volume2, Issue8, Aug 2017.</p> <p>7) Published a paper on"A Review Paper on Facial Expression Recognition” in IJRASET, Volume 5, Issue 8, August 2017</p> <p>8) Published a paper on“Survey of text detection methods in scene images” in IJRD, Volume 03, Issue11, Nov 2018</p> <p>9) Published a paper on"A Survey Paper on Fingerprint Liveness Detection "in IJRDT Volume 10, Issue 6, Dec 2018</p> <p>10) Published a paper on “Sclera Recognition System”in IJAREST Volume 6, Issue 1, January 2019</p> <p>11) Published a paper on“Human Age Detection by using Local Binary Pattern and Hog Features”in IJRDT, Volume 11, Issue 1, January 2019.</p> <p>12) Published a paper on“Face Liveness Detection using Deep Learning and Support Vector Machine”in International Journal of Advanced Science and Technology IJAST in volume 20, June 2020.</p>
	Conferences
Conference publications:	<p>1)Presented a paper on” METHODS AND GUIDELINES TO ACHIEVE TQM IN ENGINEERING EDUCATION” in national level TQM conference, PCCOE, Pune, on 5th and 6th March 2009</p> <p>2)Published a paper on” TQM PROCESS IN HIGHER EDUCATION WITH KEY CMMI CONCEPTS” in national level TQM conference, PCCOE, Pune, on 5th and 6th March 2009</p>

3) Participated a paper in national level Conference in AISSMS Pune on “**Association Rule Mining: A literature Survey and Comparative Study**” in Nov. 2009.4)Presented a paper on “**Early warning Model in academics for students using association rule mining**” in NCAEMS-2011 during 28-29th April 2011 at PCCOE.

5)Presented a paper on “**An optimal Power Management Approach to green Computing**” in NCAEMS-2011 during 28-29th April 2011 at PCCOE.

6) Participated in C-PGCON a PG Conference held on 21st and 22nd April 2012.

7) Participated in C-PGCON a PG Conference held on 29th and 30th March 2013.

8)Presented a paper on “**Association Rule Mining for Risk analysis of Diabetes using soft set**” on 18th and 19th 2013 at CIIT Conference in Elsevier Track, Mumbai.

9)Participated in A regional Conference “**Innovation 2015**”, Dr.D.Y.Patil Institute of Engineering, management and Research ,6th July 2015.

10)Published a IEEE paper in ICCSP 2015 “**Video summarization using keyframe Identification with thephade's transform error vector rotation algorithm haar transform and assorted similarity measures**”.

Books Publication: Co-Author for the Book “Data structure and algorithms of SE IT 2012 Course” published by Suyog publications. (2013-14,2014-15) ISBN/ISSN no. 978-93-82942-55-9.

Profile Link :
Scopus Profile: <https://www.scopus.com/authid/detail.uri?authorId=57189240345>
Google Scholar Profile: <https://scholar.google.com/citations?hl=en&user=GFrxtxMAAAAJ>
Orchid Profile : <https://orcid.org/0000-0002-7579-5923>

Google Scholar Citations: 5
H-Index: 2

Certifications :	Udemy	Pantech
	1)Attended online Course on “ Computer Vision with OpenCV Library using Python ” on Dec 19,2019.	2)Attended Technical training program on “ OpenCV and Image Processing Algorithm ” by Pantech e Learning from 10-14 Aug 2020. 3)Attended Technical training program on “ Deep Learning using CNN-Python ” by Pantech e Learning from 17-21 Aug 2020. 4)Attended Technical training program on “ Python Programming (Code A) ” by Pantech e Learning from 24-28 Aug 2020.

Awards/Appreciation/Achievements:	<p>1)Inaugurated FOSS Center in PCCOE in association with IIT Mumbai, as Coordinator on 28th Oct 2017, worked as coordinator for SPOKEN Tutorial 2017-18, 18-19.</p> <p>2)Completed Training program for “auditing quality management system as per ISO 9001-2015” by Shree Consultants Nashik on 03/03/2017.And Inter departmental ISO Auditor.</p>
Membership:	<p>1)ISTE Lifetime Membership: LM 60526 2)IAENG Member Number :196591</p>
Industrial Training:	<p>1)Participated in “Faculty Enablement Program” held at Infosys Technologies Ltd, Pune 13th to 25th Jan 2008..</p> <p>2)Attended Workshop on “Training for Trainers “at Wipro Technologies Pune from 19/06/2007 to 21/06/2007.</p> <p>3)Participated in WIPRO Mission 10X workshop conducted at PCCOE from 4th to 8th July 2011.</p> <p>4)Participated in FDP Program on “Mobile Computing & Business intelligence” held on 13th Jan 2012 Conducted by TCS in PCCOE.</p> <p>5)Co-ordinated and participated in 2 Days FDP on “Data Science & Analytics using R Programming” on 1-2 Feb 2018 in association with GeeksLab Technologies Pvt.Ltd, IIT Delhi.</p> <p>6)Completed 2 Weeks Online “Patent Information Course” by Turnip Innovations on 18th Feb 2021.</p>
Resource Person /Expert Session/Jury Invited:	<p>1)Speaker, Participant and Organizer for 1-week STTP on “Image Processing and Machine Learning in Biometrics and Health care” from 06/03/2018 to 10/03/2018.</p> <p>2)Guest Lecturer on “OpenGL Basics and Programming at DYPCOE”, Ambi, on 03/04/2018</p> <p>3)Guest Lecturer on “2D/3D texture mapping” at Department of Computer Engineering, MIT AOE, Alandi(D) on 05/12/2018.</p>
Number of Workshops /FDPs/STTPs attended:	<p>1)Attended University level Workshop on “Object-Oriented Analysis and Design with Unified Modeling Language (OOAD/UML)” organized on 13th and 14th Feb, 2009 in PCCOE, Pune.</p> <p>2)Attended Workshop on “National Symposium on Emerging Trends in Database Technology” ETDT 2004 at PIET Pune.</p> <p>3)Attended Workshop on “Use of Open-Source Technology in Engineering” at PCCOE from 19/1/07 To 20/1/07.</p> <p>4) Attended Workshop on “Viruses, Spy-Wares and Vaccines” at PCCOE under QIP at Pune University on 17/2/07</p> <p>5) Participated in ISTE Approved STTP on emerging trends in “Data mining, ANN and Fuzzy Systems “organized from 10th to 14th May 2012.</p> <p>6)Attended Faculty Oriented Workshop on DSA (SE E&TC) under UOP from 17th June to 22nd June 2013, at JSCOE, Pune.</p> <p>7) Attended R &D Workshop Series on Data Mining using WEKA on 20th July 2013,at PCCOE, Pune.</p> <p>8)Attended FDP on “Computer Graphics-Theory and laboratory” on 18th Dec 2013 at Cummins COE, organised by BOS IT,UOP.</p> <p>9)Attended FDP on “Machine Learning & its opportunities& Patenting in Computers” 18th July 2014.</p> <p>10)Attended BEIT Syllabus Revision WORKSHOP on 23rd March 2015, at SIT Lonavala.</p>

11) Attended one day workshop on “**Machine learning and Software laboratory III**” B.E.I.T.2012 Course at STEs's College of Engineering Pune on 3rd July 2015.

12) Participated in Zonal level research Project Competition “**AVISHKAR- 2015**”, MESCOE, Pune ,23rd September 2015

13) Participated in FDP on “**Research Trends in computer Engineering**” in Comp Dept, PCCOE, Pune, 3-7 Nov 2015.

14) Participated in FDP on “**Advances in Machine Learning and Image Processing**” in AIT, Pune ,8th to 10th Feb 2016.

Attended workshop on IEEE Author Workshop on 04/10/16 organized by COEP.

15) Poster Presentation in Innovation 2016 A Research Conference in Modern College of Engineering on 07/10/16

16) Attended Workshop on “**Machine Learning with Scikit Learn**” on 15/10/16 organised by ACM in DOT, SPPU.

17) Attended 3-day workshop on “**Python Programming**” in PCCOE from 23/12/16 to 25/12/16.

18) Attended 3-day workshop on “**Machine Learning Using Python**” on 21/08/17 to 22/08/17 in PCCOE.

19) Participated in a “**WEBEX**” on "Overview, Capability and Applications of TIBCO Statistica” on 10/10/17 in PCCOE

20) Participated in FDP on “**Research Methodology, IPR and Thesis Writing**” held in MMCOE on 8/12/2017 to 9/12/2017.

21) Attended SPPU Sponsored International FDP on “**Data Science and Machine Intelligence**” 15th to 16th February, 2018, PCCOE.

22) Participated in FDP on “Revised BE IT 2015“**Syllabus Orientation Sem-I**” held in JSPM’S BSIT COE on 14/06/2018.

23) Participated in FDP on “**Computer lab VII**” BE IT 2015 course held in PDEACOE on 29/06/2018.

24) Attended online FDP on “**Recent Trends in Deep Learning and Its Usage in Cloud Computing**” held by I2 IT on 25-26th July 2020

25) Attended online FDP on “**Python Programming advancing Research Tools**” held by S.L.N.COE, Raichur on 06-08 Aug 2020

26) Participated in FDP seminar on “The Art of Writing Research Papers & the Hidden Tricks of the Publication Process” by Computer Dept, PCCOE on 01 Feb 2021.

27) Participated in Webinar on “Not working to Networking” by Atharva College of Engineering on 27th Feb 2021.

28) Participated in Webinar on “Born to win, how to have a winner’s mindset, Leadership and Entrepreneurship” by Atharva College of Engineering on 28th Feb 2021.

29) Attended One day workshop on “A starter kit for Scrum Master using JIRA” organized by Department of IT, PICT on 23rd Sept 2023.

Event Organized Inter department/Inter college/ Other recognized		Name of Conference/ Seminars / Workshops	University/State/National/International	Dates
Industry/IIT’s/NPTEL/SPOKEN TUTORIAL/ etc. :	1	Organising Member of One Day Workshop On “Fundamentals of programming Languages & To Decide the Objectives of all Subjects of Second Year Computer Engineering”. At PCCOE.	University Level	26th Sept 2008.
	2	Coordinator for the 2 day on "Software testing	State level workshop under QIP, Pune University.	5th to 6 th March 2010

		and quality assurance" from in association with Mindtree Systems		
	3	Organized and coordinated " PRERANA " one day workshop on Personality Development for Girls " at PCCOE	University Level	8th March 2016.
	4	Inaugurated FOSS Center in PCCOE in association with IIT Mumbai, as Coordinator, worked as coordinator for SPOKEN Tutorial 2017-18, 18-19.	SPOKEN TUTORIAL	28th Oct 2017
Event Organized in Department:		1)Organizing Member of Workshop on " Linux Operating System " at PCCOE 4/06/06 to 11/06/06. 2)Organising Member of Workshop on " Computer Awareness " organized on 16th Jun. 2009 to 24th June 2009 for the teachers of Mahatma Phule Mahavidyalaya, Pimpri by Pimpri Chinchwad College of Engineering, Pune.		
University level appointments:		1)Assistant Senior supervisor for UOP Theory Backlog-Exam June/July 2013. 2)) Chairman for Distributed systems (2003 pat) for June/July and Nov/Dec 13, May 14 3))Paper setter for Data structure and Algorithms (SE(E&TC)) Nov/Dec 2013. 4))External senior Supervisor for UOP Theory Exam Nov/Dec 2013. 5))External senior Supervisor for UOP PhD paper-1 Exam 17th Nov 2013. 6)External Project Examiner for BE(IT) Nov/Dec 2013. 7) Senior Supervisor , SPPU Exam May/June Exam 2018. 8) PG Recognized Teacher from 2014 to 2019.		
Administrative Duties:		Incharge HOD, ME Coordinator (IT) 2018-19, FOSS Coordinator, NBA Criteria 5 Incharge ,T&P Department Coordinator, ERP IT Coordinator 2015-16,2016-17,IT NBA Criteria 5 & 6 Incharge 2013-14,14-15,15-16,16-17,17-18,18-19,Direct Second Year Admission ARC Incharge PCCOE 2014-15,NBA Criteria 2 Incharge.		
Academics Duties:		Taught ME, BE, B.Tech, TE, SE, FE students, paper setter for Machine Learning, Computer Graphics, Chairman for Distributed Systems(2003 Course)		
Any Other		1)Reviewer for CAST 2016 an International IEEE Conference on 07/10/16 organized by COEP. 2)Reviewer and SKYPE session Member for ICCUBEA-2017 an International IEEE Conference from 17/8/2017 to 18/08/2017 in PCCOE. 3) Reviewer and Session Chair for ICCUBEA-2018 an International IEEE Conference to be held on 16/8/2018 to 18/08/2018 in PCCOE. 4) Taught Python, Power BI and Cloud Computing to Business Consulting Ernst & Young LLP from 17th April 2021 to 19th June 2021. 5)Taught Computer Science I and Computer Science II of HSC Board to student of Pratibha College from 11th September 2021 to March 2023.		