



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



Academic Year: 2021 - 22

Faculty Profile



Name of Faculty:	Mrs. Sonali Sagarmal Lunawat		
Qualification :	ME Computer Engineering		
Designation :	Assistant Professor		
Department :	Computer		
Date of Joining :	16 th July 2014		
Experience :	Teaching : 13 Years Industry: Nil Research: Nil		
Research Areas / Area of Specialization	Cloud Computing, Machine Learning , Data Analytics		
Courses / Subjects Taken:	Fundamentals of Programming Languages I & II, Data Structures and Problem Solving, Object Oriented and Multicore Programming, Database Management Systems, Principles of Programming languages, Business Intelligence		
IPR :	Title	Docker No./ Diary No.	Registered /Filed
	Obstacle Detection With Movable Mounted Camera For Mobile Phone	201921052224	Filed
	An Alteration In Pen To Apply Whitener And Write Simultaneously	201721013554	Published
	An Improved Multipurpose Pen	201721013555	Under Examination
	PCCOER AI Assistant/Helpdesk	10419/2021-CO/L	Registered
	Improved Teaching Learning Process	10711/2021-CO/L	Registered
	Multilingual Text Summarization using sequence to sequence bert model	11537/2021-CO/L	Registered
	An efficient way to early predict critical health factors related to heart disease using Machine Learning algorithm,	11538/2021-CO/L	Registered
	Kid's Hobby Recommender System	4501/2020-CO/L	Registered
	Mobile Mobile	1264/2019-CO/L	Registered

Online Mock Engineering CET Exam And College Predictor	5894/2018- CO/SW	Registered
Voice Based Product Tracking System in Mall for Customers	683/2018- CO/L	Registered
To achieve constant speed through VANET	672/2018- CO/L	Registered
Lab Manual of Computer Networks with programs and output	903/2018- CO/L	Registered

Research Publications :

Journal Publications:	Year	Title of Paper	Published in
	MAY 2021	Mobile Application For Real-Time News Summarization In Indian Languages	HTL Journal
	July 2021	Efficient and Early predication of heart diseases using Random forest classifier and other model refining techniques	HTL Journal
	2020	Advanced Internal Intrusion Detection And Protection For Computer Systems	International Journal of Advance Research in Engineering, Science & Technology
	2020	Automatic Collection and Segregation of Domestic Solid Waste using IOT	International Journal of Advanced Science and Technology, ISSN 2005- 4238 ,Vol 29 No 08
	May-2020	Stock Market Prediction and Simulation Using Machine Learning,	International Journal of Advance Research in Engineering, Science & Technology e-ISSN: 2393-9877, p-ISSN: 2394-2444 Volume 7, Issue 5,
	2019	3-level authentication for Bank Locker security	International Journal of Management, Technology And Engineering ISSN:2454- 9312 Volume 5 Issue 6
	2019	BER EVALUATION FOR POWER CONTROL IN DSCDMA I	International Journal of Innovative Research in Technology (IJIRT) ISSN:2349-6002 Volume 5 Issue 12
	2019	AI-IOT Based Self Organizing Approach of Swarm Robots	International Journal of Innovative Research in Technology (IJIRT) ISSN:2349-6002 Volume 5 Issue 12
	2019	Smart Control System in Automobile	International Journal of Research in Advent Technology E-ISSN: 2321-9637 Vol.6, No.12 2018
	2018	Parallel Patient treatment time predication data	International Journal For Research In Applied Science And Engineering Technology (IJRASET)
	2018	Global Access Of AC Appliances Securely Using Internet Of Things	International Journal For Research In Applied Science And Engineering Technology (IJRASET) 2321-9653 Volume 6, Issue II
	2017	Classification Of Gene Expression Data Using Back Propagation Algorithm	(IJRASET)
	2017	Evaluation Based On The Efficient	International Journal For

		Selection Of Cloud-Assisted Gateway For VANET	Research In Applied Science And Engineering Technology (IJRASET) 2321-9653 Volume 5, Issue XII 24
	2017	Smart Attendance Monitoring System Using Raspberry PI	International Journal For Research In Applied Science And Engineering Technology (IJRASET)
	2013	Architecture For Secure Cloud Computing Using Garbled Circuits	International Journal of Engineering Research & Technology (IJERT)
Conference Publications:	Year	Title of Paper	Published in
	2021	Efficient Recommender System for Kid's Hobby using Machine Learning,	INTERNATIONAL CONFERENCE ON SOFT COMPUTING & SIGNAL PROCESSING (ICSCSP 2021) June 18-19, 2021
	2020	Analysis of an Efficient Gateway Discovery & Dispatching for Vehicular Ad-hoc Network	International Conference on Intelligent Computing and Control Systems (ICICCS 2020) ISBN: 978-1- 7281-4876-2 - 10
	2020	Analysis of an efficient gateway discovery and dispatching for Vehicular Ad-Hoc Network	IEEE Xplore
	2020	Efficient authentication technique in medical application by using Homomorphic Encryption on Finger print and RFID tag	International conference on emerging Technologies in Data Mining and Information Security IEMIS 2020
	2014	Efficient architecture for secure outsourcing of data and computation in hybrid cloud	International Conference On Reliability, Optimization And Information Technology Technically Sponsored By IEEE
Books Publication:	1. Efficient authentication technique in medical application by using Homomorphic Encryption on Finger print and RFID tag International conference on emerging Technologies in Data Mining and Information Security IEMIS 2020 as Chapter in Springer Book 2. E book on Java Programming for You on Amazon Kindle		
Profile Link :	Google Scholar Profile: https://scholar.google.com/citations?hl=en&authuser=1&user=88NHKpkAAAAJ		
H -Index:	1		
Product Developed/software:	University practical exam program uploading website Exambuzz Website Internal Exam question paper generator PCCOE&R BOT College hour Tracker		
Certifications :	Nptel certification Programming in C++ Nptel certification Database Management System Nptel certification Programming, Data Structure and Algorithm in Python Nptel certification Cloud Computing Nptel certification Introduction to C programming Nptel certification Programming in C++ Nptel certification Database Management System Machine Learning Certification by DATACAMP Udemy Mongodb Google Digital Marketing certification. Solo Learn Certification for JAVA Solo Learn Certification for SQL		

	<p>Advanced Google Classroom for Education, Coursera Use of Word press to Create blog for your business, Coursera Machine Learning for Everyone, DATACAMP Develop a Company Website with Wix, Coursera Google Analytics for Power Users, Google Advanced Google Classroom for Education, Coursera Use of Word press to Create blog for your business, Coursera Spoken tutorial Python certification Python for everybody by Coursera Data Scientist's Toolbox by coursera Advanced Google Classroom for Education, Coursera Use of Wordpress to Create blog for your business, Coursera</p>
Awards/Appreciation/Achievements:	<p>Toycathon 2021 Grand Finale Participation Winner in National Level Paper presentation held by Electra in Chincholi Member for World Record on Copyright and Patent Appreciation Received by EvolvingX, CEO, Mr. Amol Nitave Appreciation Received by WebsoftTechno</p>
Membership:	<p>CSI ACM</p>
Industrial Training :	<p>Zensar, FDP on AI and ML, 27th Mar, 28th and 29th 2021. Websoft Techno, Web design, 1/05/2020 to 15/05/2020 Zensar, FDP on AI and ML at JSPM, 13/12/2019 & 14/12/2019 Infostrech, Summer Industrial Training, 11th June 2018 to 15th June 2018</p>
Resource Person /Expert Session/Jury Invited:	<p>Expert Speaker at PCCOER on How to file copyright Expert Speaker at University level for SE Syllabus Revision for PPL Expert Speaker at Alard COE, for Tips for Placement Preparation Expert Speaker at Alard COE, for Android OS Expert Speaker for "Google it for Web tools" Expert Speaker at Dr. D.Y. Patil Institute of Engineering, Management and Research, for Tableau and R programming</p>
Workshop/FDP/STTP attended(more than a Week):	<p>Internet of Things (IoT): 5 Days Workshop One week FDP on Cloud Computing by NPTEL FDP on cyber Security One week FDP on Introduction to C programming by NPTEL one week FDP on Python3.4.3 One Week FDP on Introduction to Artificial Intelligence and Machine Learning 5 days FDP on Advancements in IOT at MMCOE, Pune Online Workshop on Academic Book Writing and Related Topics The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop AICTE AND ATAL SPONSORED one week Online FDP on GAMIFICATION 6 Days FDP on Certificate Course on Digital Teaching Techniques Gamification FDP by AICTE ATAL SMAC by VIIT FDP on AI ML Master Class on Machine Learning Participated in 5 day STTP on Internet of Things in SKNCOE, Wadgaon.</p>
Event Organized Inter department/Inter college/ Other recognized Industry/IIT's/NPTEL/SPOKE N TUTORIAL/ etc. :	<p>NCIII conference CIPCIS 2020 CIPCIS 2019 FDP on AWS by I2I Python Programming at PCET Level Literacy Camp for Zilla Parishad School Coursera R-Programming for BE students under Spoken Tutorial C-Programming for SE students under Spoken Tutorial</p>
Event Organized in	<p>AWS FDP Organized at College</p>

Department:	A Step by Step guidance for placement preparation by Mr. NoleshWarke, Capgemini Seminar on "React JS" Mr. RushikeshPhalke, FullStack Developer Industry Institute Interaction Meeting by Experts Resume Writing Session by Ashish Salunke, Shreyas Pimpalshende, Barsha Koley (PCCOE&R students) Literacy Camp at ZP School at Maugoan by Sonali Lunawat, Anuja Bhondve (PCCOE&R Faculty) and C-Cube members Computer Literacy Camp by C-Cube student member Session on "All about Higher Studies in US and UK" by Ashish Salunke. Chetan Pathade and Chaitanya Nirhali (PCCOE&R students) Workshop on "Tableau -A Business Intelligence Tool" By Rahul Madke Workshop on "Linux Administration" by Mr. Nolesh Warke, Mr. Romit Thite (Capgemini) Seminar on "Business Intelligence" by Prof. Pramod Patil (HOD at DYPIET, Pimpri) Workshop on "HADOOP" Prof. Vaibhav Dhore (Assistant Professor at VJTI, Mumbai)
University level appointments:	Subject Expert for Principles of Programming Languages. Paper Setter Moderator
Administrative Duties:	Website Maintenance Recruitment Coordinator NAAC criteria 4 head Alumni Coordinator
Academics Duties:	Module coordinator, NBA C4 coordinator, GC cube Association Faculty Advisor, Google Developer Student Club Faculty Advisor, Lab Incharge, Class Teacher, Mentor, Course Coordinator, Zensar SPOC, Rubicon SPOC
Any Other	Coursera Aptitude Session Coordinator