



**Dr. Chandrani Singh**

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**Residence Address:** A-102, Indraprastha Apartment, Road No -7, Central Avenue, Kalyaninagar, Pune, Maharashtra, India

**Official Address:** Sinhgad Institute of Management, Vadgaon Bk Pune, India

**Pursuing Post-Doctoral Studies in Information Technology with Lincoln University Malaysia (AIU Accredited).**

Completed Doctorate in Philosophy in Computer Management in year 2013. Completed Master of Engineering (Comp Sc) and Master of Computer Applications (MCA) from Department of Computer Science Engineering and Applications, NIT Rourkela, formerly known as Regional Engineering College, Rourkela with first class in the year 1998 and 1995 respectively. Over 19.2 years of teaching experience in recognized institutions across the states of Orissa and Maharashtra, India.

**A researcher, industry-institute collaborator, educationist, author, content-writer and a sports enthusiast with a passion to ideate, innovate and implement.**

**Provisional Acceptance by SERB India under Department of Science and Technology on Development of Framework and Software Application for Dissemination of Knowledge on production of Organic Fertilizers**

**Invited Speaker at UGC - HRDC and Department of AKCSIT, University of Kolkata for Big Data Analytic's Workshop**

**Currently profile listed as a Web of Science Researcher/Reviewer**

**Top 30k Authors by New Downloads <correspondence@communications.ssrn.com>**

**Currently in the top 10% of Authors on SSRN by total new downloads within the last 12 months.**

Invited as a Guest Speaker for the Induction program on the 11<sup>th</sup> of September 2023 by DY Patil School of Management and DY Patil School of MCA, Pune

Selected for Women of Excellence Award by Indian Achievers Forum, New Delhi

**Advance Praise for PPMOB Book received from Padmabhushan Jagdish Sheth, a Charles Kelstadt Professor and Marketing Legend (Kotler-Sheth regimen).**

Hon'ble Vice Chancellor's Nominee for Ph.D. admissions 2023 under the Faculty of Commerce and Management at various Research Centres affiliated to SPPU.

External Expert for PhD presentations of Computer Application, Bharati Vidyapeeth Deemed University, IMED Pune

Keynote Speaker for International Conference on Innovating Technologies and Intelligent Systems 2023 at Yogoda Satsang Mahavidyalaya.

Speaker and Session Chair at 10<sup>th</sup> Asia Pacific Business Research Conference at Govt of Maharashtra's Sydenham Institute of Management Studies Research, Entrepreneurship Education.

Received Certificate of Appreciation from ArdorComm Media for valuable and exemplary contribution in Higher Education Sector, 6th May 2022.

Invited as Chief Guest of Honour for SPARDHA 2022, by VAMNICON PUNE, A Grant in Aid Institution under Ministry of Cooperation Govt of India, April 2022.

Shortlisted in the category of "Most Influential Woman Edupreneur 2019" in India Education organized by Blindwink Incorporation Bangalore.

**Certificate of Appreciation for outstanding contribution to Education Sector at the National Conference on Skilling in Higher Education powered by Panasonic ,7th February 2019.**

"Women Researcher Award 2019" in the 4th International Scientist Awards on Engineering, Science and Medicine which Chennai, India by VDGGOOD Professional Association.

Recommended for Rashtriya Shiksha Ratan award 2019 by National Achiever's Recognition Forum, New Delhi, India.

Keynote Speaker for the International STTP on Research Writing & Design on Dated 28th Feb 2021 - 21st March 2021 for Galgotia's University India.

Awarded India Independence Award -2019 as Distinguished Director/Principal by International Association of Research and Development Organization.

Selection to participate in the fully funded Conference of Asia Europe Meeting by German Academic Exchange (DAAD) named as “ASEM Education in a digital world: Bridging the continents - connecting the people?” on the 20th and 21st of November 2018 in Cologne Germany. ASEM has 51 member nations and the paper was selected for the conference.

Authored books adopted by several Indian universities like LPU, VTU etc.

Actively contributed to the Impact Project funded by World Bank to National Institute of Technology Rourkela, Orissa.

Passed Phd Aptitude test conducted by University of Pune.

Expert Committee Member for Research Cell Affiliation and Accreditation for Bharati Vidyapeeth Deemed University, Dr. D.Y. Patil Group of Institutions, Maharashtra, India.

Expert Committee Member for Savitribai Phule Pune Course Approval, Affiliation and Continuation.

#### **Institutional liaison with IIT's and IISc's/IIM's**

STES SIOM as Co-Sponsor IIT Guwahati and NIT Mizoram and Special Session Chair with for conducting ICIOTCT 2023, IAASSE Conference.

STES SIOM as Co-Sponsor IIT Patna and IIT Powai and Session Chair with for conducting ICIOTCT 2022, IAASSE Conference.

Liaison for Voice Processing and Disease Identification Project with AISense LLP, a startup under Computer Science Engineering Department, IIT Powai.

Instrumental for steering the lab migration project in R as a Decision maker and contributor for FOSSEE initiative through IIT Bombay by NMEICT GOI.

Instrumental in steering NPTEL- National Programme for Technology Enhancement Learning a joint initiative for faculty members and students to get certified in the latest technical courses.

#### **Institutional liaison with Govt of Maharashtra and Others**

STES SIOM selected as Centre of Excellence for Training and Employment Opportunities STES SIOM as Governing member with Ministry of Education, Innovation and Incubation Cell.

#### **Sports**

Had created a national record in 1985 under Girls Sub Junior Group in 100 meters Sprint.

#### **Media**

<https://www.cxotv.news/2019/12/30/ai-adoption-in-india-is-in-the-starting-stage-and-still-very-slow/>

<https://www.cxotv.news/2019/12/17/how-werrat-software-helped-improve-placement-for-all-colleges/>

<https://www.youtube.com/watch?v=vQApBDe3WXUedu>

**Currently working as Director-MCA and Placement Head – MCA(SMI) at Sinhgad Institute of Management Vadgaon, Pune.**

**Entrusted with the responsibility of overseeing the operations of STES' Sinhgad Data Centre**

Linkedin Profile : <https://www.linkedin.com/in/dr-chandrani-singh-72448a22/> **Institutional**

**Achievements during my tenure as Director, SIOM-MCA (2017-2020) Conferences and Seminars and Workshops**

Chief Convener for the Leadership Lecture Series on Leadership in STEM commemorating STES' 28 years of excellence in education.

Chief Convener for the Three-Day International Webinar on Transforming Education through Global Collaboration -The Roadmap July 2020.

Chief Convener for the National Webinar on Education 4.0 June 2020.

Chief Convener for the National Conference on Data Science & Analytics Innovations Summit 2020

Chief Convener for the International conference on IT Revolution in Business world February 2018.

Chief Convener for the National seminar on IT Solutions for socioeconomic development October 2017.

#### **Institutional liaison for Innovation and Entrepreneurship (2017-2020)**

Member of Atal Ranking of Institutions on Innovation Achievement (ARIIA)

Member of Institutions Innovation Councils (IICs) for Higher Education, HRD Ministry initiatives Member of Federation of Indian Chambers of Commerce and Industry (FICCI)

Member Centre for Innovation, Incubation & Linkages (CIIL) of SPPU

Member of -IES Forum- Innovation, Entrepreneurship & Startup Establishment of SIOM IPR Cell

#### **Institutional Award**

Under my leadership the Institute was placed in Leading Management Institute of the Year 2020” Maharashtra Award under “Leading Infrastructure & Placements” Category for the year 2020 and also the Institute is selected to receive another award under the category “50 most promising educational institutes of India 2020”

Under my leadership the Institute was placed in AICTE-CII -Industry Linked Technical Institute- Platinum Category 2018,2019, 2020.

Under my leadership the Department of MCA was awarded the Best Internship award from AICTE & Internshala Best Internship Selection Rate (West Zone-India) - First Position (2018).

Participated in National Education Award hosted by CMAI and National Technical Education Empowerment 2019 and received award for Founder President STES for excellent contribution in the field of Education.

### **Funds and Grants**

AICTE-AQIS Faculty Development Program 2020. Grant to be received INR 4,30,000/-.

National Conference on Data Science & Analytics Innovations Summit 2020, Funds and Grant received - INR 274000/-(2020).

International conference on IT Revolution in Business world February 2018, Funds and Grant received - INR 248000/-(2018).

AICTE Sponsored -Thin Client & Virtualization Lab Project -Funds received- INR 547000/- (2017).

Website Maintenance Fee of CICTAB- A Govt of India Enterprise - Funds received 2017,2018,2019 Yearly Avg 24000/-.

### **Industry liaison**

Have strong Industry Liaison and HR Connect with around 250 + HR's across India and have placed around 5000 MCA and Engineering students mainly from the state of Maharashtra in MNC's and SME's in last five years.

Industry visits organized for the MCA students to Infosys, Bengaluru and Mysore, Barclays, Cognizant, Persistent Pune and TCS Mumbai providing the students an exposure into the Industry best practices and Organizational work culture.

MoU's signed with IT Industry's & IIT's- 15 Nos between 2017-2020.

Have been instrumental in creating an alliance with Quick Heal Technologies to impart cyber security awareness to school students of Pune and suburban areas of Maharashtra.

### **Research and Development Initiatives**

Approved guide for Ph.D. Faculty of Commerce and Management and Post Graduate teacher at Savitribai Phule Pune University.

Pursuing Post-Doctoral Studies with thesis titled "An integrated framework for identifying and evaluating micro and macro determinants impacting the adoption of Cloud Computing Technology across Education Sector and Health Care MSME's in Malaysia to ensure ubiquitous information and knowledge sharing for improved sustenance" 2019.

Spearheading IOT Based Drone Development for monitoring water supply through canal for Farming under MSME GOI incubation and start-up initiatives 2019.

Submitted various research proposals to ISRO, AICTE-ASPIRE, SPPU in

5 faculty completed their Phd , 1 completed MPhil, 1 completed MBA in my tenure as Director-SIOM(MCA).

Currently guiding 5 students for their doctoral work under SPPU.

### **Faculty Development Initiatives**

Invited as a Speaker for Online ATAL Faculty Development Program on Emerging Trends in Business Data Analytic's for Managers November 2021.

Chief Convener and Speaker for AICTE sponsored Faculty Development Program 2020-2021 Instrumental in conducting refresher courses for MCA faculty of Sinhgad Group of Institutes

### **Student Development Initiatives - National level Competitions**

Encouraged students to participate in the National Level Online Coding Competition with IT industry Wisdom Sprouts,Aviishkar SPPU and Smart India Hackathon AICTE and AICTE Startup-Contests etc.

### **Student Development Initiative - International (Sports)**

Member Representative (State) of International Aviation Games Board, /BIAG in association of the South Asian Universities Sports Federation

**List of short term training programs and workshops (Faculty and Students) :** Agile Scrum/ Digital Marketing, SOA, SMAC and Augmented Reality, Open Stack Architecture Analysis and Design Pattern ,Cyber Security, Content Management using WordPress , Polish Your Personality Gamification and Analytics, Learn ... To Learn Programming, BI tools and Android Programming and Cloud Computing and Office365.

### **Student Development Program (External)**

Keynote Speaker for the International STTP on Research Writing & Design on Dated 28th Feb 2021 - 21st March 20Unive21 for Galgotia's University India

### **Digital SIOM/On Cloud Infrastructure**

Implemented online and blended learning modes of pedagogical deliveries making extensive use of platforms like MS Teams, Zoom,Google Classroom pre and post the pandemic era.

For subjective and objective assessments spearheaded the implementation of on cloud assessment software.

**Physical Infrastructure**

Thin Client and Virtualization lab setup with one server and forty thin client machines under AICTE MODROBS Scheme.

**Quality Improvement Initiatives and Responsibilities**

Coordinator Institutional, NAAC, IQAC, AQAR and NBA work (From 2017 till date). Member of University Expert and Staff Selection Committee etc.

Have held various positions of responsibility with regard to paper setting, evaluation, assessment with Savitribai Phule Pune University.

**Embracing Diversity**

Spearheaded the approved Online Self-Paced Integrated Foundation Course in Music for AICTE SWAYAM's MOOC Platform

**Consultancy**

Working as "Academic Advisor" with Silver Touch Learning and Development Division Techlab, Ahmedabad.

Associated as a Consultant with ManuscriptEdit/Reseapro from February 2019 and completed five research proposals as a scientific research writer.

Affiliated with dotwriter affiliate number 15598 from February 2019

Associated with an industry leading research company Writer.ph as a scientific research writer from March 2019 and completed two research projects .

Academic research writer with Upwork.

Computer Science subject matter expert with Chegg India

Maintenance of website for International Cooperation & Training in Agricultural Banking.,A Govt of India Enterprise.

**Co-Founder Director of iTeknika Services and Solutions PvtLtd,Pune**

**Linked Profile :** <https://www.linkedin.com/in/chandrani-singh-092768120/> [www.iteknika.com](http://www.iteknika.com)

**Connects and Contributions to IT and Manufacturing Industries**

As a Co-Founder and Director I have been instrumental in human resource provisioning(fresh graduates and post graduates) to the IT and Manufacturing Industries and also supported them by providing software as a service to the recruitment vertical of the IT and Manufacturing Industries(Companies like Saama Technologies, Raja Software, Live Health, SmarterHi ,Arxxus, Exadatum, Universal Tools, SSM Infotech etc.The software has been used by thirty companies and institutions till date.

**Designed and developed an On Cloud Assessment and Recruitment Software which has served the above industries and educational institutions across Aurangabad, Nashik, Yavatmal, Ahmednagar, Kolhapur,Ratnagiri, Sankeshwar etc in the vertical of assessment and training.**

**Institutional Achievements during my tenure as Joint-Director, SIBAR-MCA (2013-2017)**

Have played a strategic role in Tata Consultancy Services-Sinhgad Institute digital assessment alliance and promoted earn while you learn scheme for students.

Instrumental in conducting national level online examinations like GATE, CAT,SBI etc

Assisted Universal Tools in marketing and branding their organization in world expo at Bengaluru in 2016.

Was the Coordinator for Departmental technical IT Meet for a span of six years in Sinhgad Institute Kondhwa,Pune branch.

Was the convener for the National Conference in Advancements in Information Technology and Internet security AITIS – 2008.

Member Coordinator for accreditation of the Institutes (NBA 2012)

Have been instrumental in effective collaboration of Sinhgad Institute of Business Administration and Research with IT giant Zensar technologies. Have trained employees of Zensar technologies on BluePrint foundry tool.

Have been instrumental in establishing strategic alliance of Sinhgad Institute of Business Administration and Research with IT giants like IBM, Zensar technologies, Patni Computer Services and Zensoft Services on creating globally employable students.

Undertaken roles and responsibilities as accorded by the Department, Institution and University in terms of teaching, research, examination, admission, accreditation, training and placement etc.

Instrumental in seeking collaborations and signing MOU's with Industry giants such as Quick Heal technologies,Global Talent Track as a part of the CSR initiative.

Was actively involved in the Zensar's project under the Global on Demand Concept. Was actively involved in the IBM's project under the Industry Academia Initiative.

Was the Coordinator of Neuronic's USA Health Care Project which has been developed and deployed by MCA students of SIBAR,Pune.

**Facilitation of Knowledge Exchange Programs (National/International Industry/Academia)** Invited as a Session Session for IOTICT 2022 , Sponsors IIT Patna,IIT Powai and STES SIOM. Invited as a

Speaker and Moderator for Suttlej Group of Schools, Career Fest, Chandigarh

Invited as a Speaker International Women in Engineering COVID 19 Congress 2021 (WIECOV 2021) - IEEE Bangladesh.

Invited as a Reviewer for Association of Test Publishers E-ATP 2021 Conference

Invited as a Guest Speaker and Editorial Board Member by Galgotiyas University Noida Uttar Pradesh 11<sup>th</sup> March 2021

Invited as a Resource Person for new dimension and implication of MOB by Vishesvaraya Technical University, BOS - MBA ,1<sup>st</sup> Feb 2021.

Interviewed by CollegeDunia on trends and insights to techno management Education and article published on 22<sup>nd</sup> January 2021.

Invited as technical committee member for Springer ICTIS Conference, Ahmedabad ,India,2021. Invited as a speaker and ambassador for 2020 Women in SIGHT summit by IEEE Bangladesh section.

Invited as a technical committee member by ICECE 2020, Xian China and WIECONECE2020 Bhubaneshwar.

Nominated as a Publication Chair for 2020 International Conference on Modeling, Big Data Analytics and Simulation (MBDAS2020) at Xiamen China.

Invited as a Speaker by IEEE Bangladesh Section, on IEEE Day 2020 Observations - Dreams, Dialogs, and Directions for a Better Tomorrow.

Contributor for Qlik Academic Program 2020 to improvise on data literacy through student enrollment  
Speaker at the 16th World Education Summit, 21- 22 February 2020 at Hotel Marriot Hyderabad conducted by EletsTechnomedia.

Invited as a Speaker for Write-a-thon conducted by Bajaj Financial Services Pune on 12th Jan 2020. Invited as a Speaker for AI Educator Symposium 2019 by Huawei on 13<sup>th</sup> December 2019

Invited as a delegate to AICTE-CII Education Summit 2019, 13-14 November 2019

Invited to present and chair session -7th Asia Pacific International Conference Date: 6th&7th January,2020.

Speaker at the 15th World Education Summit, 21- 22 November 2019 at Bombay Exhibition Centre, Mumbai conducted by EletsTechnomedia.

Invite as Keynote Speaker in the International Conference on Applied Science and Techology 2020, India

Invited as a speaker at Elets World Education Summit on the 9th and 10th of August 2019, New Delhi

Invited as a Speaker at Global Guru Conclave on 25th and 26th July, New Delhi

Participate as a Speaker in the Fourth Round table Discussion of Academic Leaders on 15th June, 2019 conducted by Centre for Education, Growth and Research (CEGR) in association with S.B Patil Institute of Management, Pune

Invited by Hindustan Times to participate in Edusight 2019 on 25th of May'19 to discuss on the role of education in the age of disruption.

Participated in the HEHR Conclave as a Speaker conducted by Digital Learning and Elets Technomedia 2019 at Westin Pune May 04 2019.

Session Chair for International Conference on Innovations in IT and Management (ICI2TM-2019) organized by SIMCA Narhe on 14th February 2019.

Speaker at the 13th World Education Summit, 07- 08 December 2018 at Bombay Exhibition Centre, Mumbai conducted by Elets Technomedia.

Special session chair at The World Conference on Innovations in Management, Science and Engineering will be held at ICAFI University, Dehradun (A UGC & NCTE approved Institute of Uttarakhand)

Invitation from India Association of Test Publishers (I-ATP) to like minded individuals on a session - Revamping Exam Standards in India on 30th November 2018, India Habitat Centre, N. Delhi.

Special session chair for the 4th International Conference on Green Computing and Engineering Technologies, (ICGCET®) 17 Aug - 19 Aug 2018, Aalborg University, NielsBohrs Vej 8, Esbjerg, Denmark.

Special session chair for 2nd International Multi-Topic Conference on Engineering and Science (IMCES'19) 05-07 May 2019, Holiday Inn Mauritius Mon Tresor , Mon Tresor, Plaine Magnien, Mauritius.

Special session chair for the @ RTCSE'19 University of Hawaii, USA Delegate for ACM-W Conference in Symbiosis Pune in June 2018 Was an Elets Speaker for Higher Education Summit Pune 2018 Was a Delegate for Edutech Congress 2018 at Navi Mumbai

Was selected by Global Talent Track Pune a venture funded by Intel Capital and Cisco Systems, for voicing thoughts on the opportunities or pursuing professional education.

Was instrumental in conducting HR Conclave 2017 for a plethora of HR's and Industry professionals.

### **Curriculum Design**

Participated in the two and three year MCA(2019/2020) curriculum design for SPPU and hosted the workshop for 2<sup>nd</sup> semester course design in February 2019.

Was the Coordinator for BCS Syllabus restructuring workshop hosted by Modern College, Pune for teachers all over Maharashtra.

Participated in the MCS syllabus restructuring workshop hosted by D.Y.Patil College. Participated in many other national workshops hosted by academic institutions and corporate organizations.

#### **PROFESSIONAL BODY MEMBERSHIP**

Editorial Board Member Acta Scientific Computer Sciences

International Scientific Committee ACVAIT BAMU, Aurangabad

Technical Committee Member of International Scientific Committee Electrical, Automation and Mechanical Engineering (EAME2022) Guangzhou, China.

Publication Chair of MBDAS 2020 Xiamen China

Technical Committee Member of EESIIS 2021 Ghanzou China

Technical Committee Member of International Scientific Committee CMSA2020 June 2020 Beijing China.

Technical Committee Member of International Scientific Committee BDCC2020 June 2020 Beijing China

Technical Committee Member for the prestigious IEEE TENSYP 2020 at Dhaka Bangladesh

Technical Committee Member in the International Scientific Committees of MCME 2020 in Hangzhou, China.

Technical committee senior member for CNAI Group of Conferences China 2020 Member National Technical Education Empowerment Committee 2018

Member Communication Multimedia and Infrastructure Association of India 2018

Member of Institute of Systems and Technologies of Information Control and Communication

Member of Editorial Board in the International Journal of Latest Technology in Engineering, Management & Applied Science.

Technical Committee Member of AISIC-2018, A journal of AIMS International

Technical Committee Member of IEEE approved ICECEIC 2019 organised by Sri Chandrasekhandra Saraswathi Visha Mahavidyalaya, Kanchipuram Tamil Nadu.

Technical committee member in the International Advisory Panel of CCME 2020 Xiamen China.

Institutional Member IEEE, University of Pune, Chairperson and Member of Examination, Expert Committee, Phd Co Guide, Member CSI Chapter, LMC Member STES.

Technical Committee Member and Reviewer of Scopus Indexed Journals(Jedem) Technical Committee Member and Reviewer of IGI Global Publishing

Member of Microsoft India Digital Community of Project Managers and PPM specialists Technical Committee Member and Reviewer of African Education Research Journal **Savitribai Phule Pune University Responsibilities**

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Chairman and Examiner for various theory, practical and projects under SPPU, research proposal evaluations and research cell establishments for colleges under SPPU and also member of SPPU inspection committee evaluation of new courses/programs introduced in colleges under SPPU.

#### **Publications and Presentations (National and International Conferences and Journals)**

##### **2008**

1. Arpita Gopal, Neeta Nain, Chandrani Singh. "Database level Tuning for Performance Gains in Database Based system.",Pg. No. 256 – 265 ISBN No.0230-63469-9,International Conference on Data Management ICDM-2008"Gaziabad - India and was also published in International Journal of Information and Communication Technologies, (2008).

2. Chandrani Singh, Arpita Gopal, Amarjit Singh. "Analyzing the exactness of inherent feedback from event, signal and reframing of inquiries in world wide web", Page No. 636 - 641 at ICDM 2008 IMT Ghaziabad, ISBN No.0230-63469-9, (2008).

3. Netra Patil, Chandrani Singh and Anagha Vaidya Model proposed for senior management of an organization for utilizing resources effectively to adopt web services effectively" .at ICDM, IMT Ghaziabad, 2008, ISBN No. 0230-63469-9, (2008).



4. Anagha Vaidya, Prof Netra Patil and Prof C Singh“Comparative study of usability of different software’s from software quality perspective “ at ICDM, IMT Ghaziabad, 2008 ISBN No. 0230-63469-9,(2008).

**2009**

5. Chandrani Singh,Arpita Gopal.“Performance Monitoring and Evaluation of Employees in IT Company Using Data Mining Techniques”, at DMIN’2009 hosted by WORLDCOMP’09 ISBN, Las Vegas, USA. CSREA Press 2009, ISBN 1-60132-099-X,(2009). (dblp indexed: Scopus equivalent)
6. Chandrani Singh, Arpita Gopal. “Faculty Academic Performance Monitoring and Evaluation using Data Mining Techniques at IEEE sponsored IACC Conference hosted by Thapar University Patiala,India, Location National Library Board Singapore, (February 2009) (Scopus Indexed).

**2011**

7. Chandrani Singh,Arpita Gopal and Santosh Mishra. “Performance assessment of faculties of management discipline from student perspective using data mining”, in International Journal of Data Engineering by Computer Science Journals, ISSN (Online) 2180-1274. (2011).
8. Chandrani Singh,Arpita Gopal,Santosh Mishra.“Faculty Performance Prediction from student feedback using linear regression technique”,IJCSA-2011, ISSN 0974-767.(2011).
9. Chandrani Singh,Arpita Gopal and Santosh Mishra.“Statistical Analysis of Faculty Performance from student feedback using Predictive Modeling Technique – A Single Decision Tree Based Model”.IEEE ICIME 2011.
10. Chandrani Singh,Arpita Gopal and Santosh Mishra. “Implementation of Apriori Algorithm on Student Feedback Data to Generate Frequent Item Sets and Important Association Rules”, ICCET 2011, ASME Proceedings 2011.

**2014**

11. Chandrani Singh. “Case Based Approach to Decision Making – A Cognitive Management Process”, GSMC IIM Raipur. (on Scribd)
12. Chandrani Singh. "Case Based Approach to PLANNING – An Essential Function of Management",GSMC IIM Raipur,

**2018**

13. Chandrani Singh. “Calibrated, Intelligent and Analytics Driven Collaborative Framework for Academia Capturing Stakeholders Lifecycle to Enhance Quality and Employability, Mapping Fitment and Employment Diversification”, (Paper ID : 01-2018-1196) CFP18037-PRJ: 978-1-5386-4303- 7,IEEE EECMC 2018.
14. Chandrani Singh,Sumeet Mojidra. “Comparative Analysis and Evaluation of Items used by Information Technology Companies as benchmark for Resource Screening using Item Theory Models”IEEE International conference on computing, power and communication technologies 2018 (GUCON) (IEEE Conference Record No 42736),(2018),(Scopus Indexed).
15. Chandrani Singh,Ajit Pandey, “Analyzing Trends in Students’ Performance across Maharashtra through Non Adaptive and Adaptive Online Assessments based on the underlying framework of Classical Test and Item Response Theory”,Published in Data and Communication Networks (Springer journal,Scopus Indexed) in GUCON 2018.
16. Chandrani Singh.“Educational cooperation through virtual learning and blended formats: How to assure its quality?”,ASEM Education in a digital world Bridging the Continents –Connecting the People.Erasmus+ National Agency for EU Higher Education Cooperation,DAAD – Deutscher Akademischer Austauschdienst German Academic Exchange Service,<https://eu.daad.de>.

**2019**

17. Chandrani Singh, "Evaluation and analysis of OGD (open Government Data) initiatives across Asian nations and proposition for implementation of an Open Government Data Framework in emerging economies for improving efficiency in public administration and economic growth",JeDEM - ejournal of edemocracy and open government, Scopus Indexed (2019).
18. Abstract accepted on “Survey of the blended learning initiatives and adoption of blended formats across regions and borders and its relevance in Indian context for an improvised learning outcome - Designing a framework to assure quality by ICDP-2019”,the event co-convened by the Ministry of Human Resources and Development -MHRD, AII India Council of Technical Education, the World Bank Group, the National Project Implementation Unit - NPIU of the TEQIP Project, the Department of Education of West Bengal and MAK University of Technology, Kolkata.
19. Sunil Khilari and Chandrani Singh.“The Study of Appropriate Potential Information Security Controls for Defending from Dark Cloud and Ensuring IT Security Assurance”. ISBN - 978-93-88441-85-8.

**2020**

20. Chandrani Singh and Rahul Dwivedi. “Global Social and Economic Impact of SARS- CoV-2

Pandemic on Industry Sectors Short Communication Crimson Publishers,Open Access Bio-statistics and Bio- Informatics".Short communication in Open Access Biostatistics and Bio-informatics (OABB 2020).

21. Archana Nair,Chandrani Singh "Adoption of the New Normal by Indian Education Segment, Issue 10, October, 2020, Volume 22, in the journal, JUSST(Scopus Indexed).

22. Sunil Khilari,Chandrani Singh."Associated Rule Mining Algorithm For Market Basket Analysis: An Iterative Approach for Generating Rules for Data Science Applications,Issue 10, October, 2020, Volume 22,in the journal, JUSST(Scopus Indexed ).

23. Rahul Borate,Rahul Navale,Chandrani Singh. Market Analysis of Agricultural Products using Data Science tools.

24. Mitali Talukdar,Shilpi Talukdar,Chandrani Singh. " Role of Predictive Analytics in online Businesses to gain competitive insights using real time Decision Making by Project managers for Industry 4.0.(Under Evaluation).

## 2021

25. A. Anurag, R. Das, G. K. Jha, S. D. Thepade, N. DSouza and C. Singh, "Feature Blending Approach for Efficient Categorization of Histopathological Images for Cancer Detection," 2021 IEEE Pune Section, International Conference (PuneCon), 2021, pp. 1-6, doi: 10.1109/PuneCon52575.2021.9686523 /ieeexplore (Scopus Indexed).

26. Study of Malaysian Cloud Industry and Conjoint Analysis of Healthcare and Education Cloud Service Utilization", has been accepted for publication in Transactions on Computational Science, Springer (Scopus Indexed).

## 2022

27. Singh, Chandrani and Borate, Rahul, Market Analysis of Agricultural Products using Data Science tools (March20,2022).Available at SSRN: <https://ssrn.com/abstract=4062065> or <http://dx.doi.org/10.2139/ssrn.4062065>.

28. Khushbu Kumari, Archana Nair, Chandrani Singh, Rik Das, Pankaj Kumar Manjhi and Sudeep Thepade Feature engineering using early fusion for content-based image classification (CBIC)Scrivener-Wiley/, Apple Academic Press, co-published with CRC Press/ Taylor and Francis Group/ Springer. (Scopus Indexed).

29. Archana Nair, Chandrani Singh Availability and Adoption of Online Learning for Students of Higher Education using the BRT Framework, Elsevier/Springer.

30. Harsh Pathak; Archana Nair; Chandrani Singh; Rik Das; Chinmay Chakraborty; Madhumi Mitra; Rupal Bhargava, Predicting ICU admissions based on preconditions and comorbidity for SARS COV2 infected patients, Scopus Indexed, IEEE Xplore.

31. Kale, Mr.Vimu Ram and Singh, Chandrani and Khilari, Dr.Sunil, Non-Fungible Tokens (NFT's): The Future of Digital Collectibles (July 19,2022). Available at SSRN: <https://ssrn.com/abstract=4166708> or <http://dx.doi.org/10.2139/ssrn.4166708>.

32. Khilari, Dr.Sunil and Singh, Chandrani and Mane, Mr.Bharat, Business Intelligence Tool-Power BI for Performance Management (August 1, 2022).Available at SSRN: <https://ssrn.com/abstract=4177482> or <http://dx.doi.org/10.2139/ssrn.4177482>.

33. Nair, Archana and Singh, Chandrani, Edge Computing Implementation by Education Industry (April 18,2022).Available at SSRN: <https://ssrn.com/abstract=4086158> or <http://dx.doi.org/10.2139/ssrn.4086158>.

34. Singh, Chandrani and Jadhav, Ramesh and Khilari, Dr.Sunil and Mr.Ravi Mourya, A Case Study on Cryptocurrencies a Good Investment: The Predictive and Perspective Analysis by Using R-Language(March 21,2022).Available at SSRN: <https://ssrn.com/abstract=4062941> or <http://dx.doi.org/10.2139/ssrn.4062941>.

35. Singh, Chandrani and Jadhav, Ramesh and Dr. Bharti P Jagdale, and Khilari, Dr.Sunil and Mr.Ravi Mourya.Prediction of IPL Match Performance Based on Batsman Category Using Machine Learning Algorithm (March 21, 2022). Available at SSRN: <https://ssrn.com/abstract=4062937> or <http://dx.doi.org/10.2139/ssrn.4062937>.

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38. Mr.Girish Mogalgiddikar, Pratiksha Pramod Mahamine, Chandrani Singh, Ms.Kumudini Manwar "Internet of Things: A Practical Approach for Smart Building,at SCOPUS indexed Springer LNNS.

39. Akshay Tanpure, Milind Godase, Chandrani Singh.IoT Based Storage Management System at SCOPUS indexed Springer LNNS.



40. A Study of Customer Acquisition Strategies for Securities Broking Firms in Pune. Dr. Anamika Singh, Dr. Chandrani Singh, Dr. Shantanu Jahagirdar, Dr. Amiya Bhaumik, Dr. Midhun Chakravarty, Dr. Rik Das Submitted to icebec-2022, Scopus (Indexed Journal)
41. Chandrani Singh, Aanchal Koshta, Sunil Khilari Design of Sensory Internet of Things (IoT) for Making Sustainable Agriculture Ecosystem : An Experimental Setup and Elaboration, Springer Lecture Notes in Networks and Systems, SCOPUS indexed.
42. Meenakshi Jadhav, Chandrani Singh, Sayali Khaladkar, Judicious Study For Online Medicine Shopping" Journal of Sustainable Science and Transformative Research-Review & Letters.
43. Ms. Rupali Taware, Ms. Amruta Deshmukh, Dr. Chandrani Singh, Nishant Rathod, Magnitude of data science & big data in fitness care Journal of Sustainable Science and Transformative Research-Review & Letters.
44. Rahul Navale, Dr. Chandrani Singh., The analysis of IoT System and Applications Used in Various Domains: A Systematic Review. UGC Care Approved, Peer Reviewed and Referred Journal .ISSN :0976-2132.
45. Deepali Prakash, Chandrani Singh, Patil Ankush Kudale Performance Evaluation of PHP frameworks. Computer Science Education, Journal of Computer Science and Technology, Theoretical Computer Science.
46. Shobha Mishra, Ramesh Jadhav, Chandrani Singh .AUTOMATIC GAS BOOKING SYSTEM USING IOT, <http://ssrn.com/abstract=4230715>.
47. Deepali Patil, Chandrani Singh, Ankush Kudale Review of a Machine Learning Algorithm for Skin Disease Detection Using Image Processing.

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48. Dipali Patil, Ms. Amruta Deshmukh, Dr. Chandrani Singh, Dr. Ankush Kudale, "Possession of identity- based distributed verifiable data in several cloud storage" ACTA Scientific International open Library.
49. Ashwini Mohite, Usha Bubane, Chandrani Singh. SWAYAM study webs of active learning for young aspiring minds: Elevating the education system in India', Utkal Historical Research Journal, UGC Care.
50. Ashwini Mohite, Usha Bubane, Chandrani Singh. The study of artificial intelligence in dairy farming with reference to cattle milk production.
51. Milind Godase, Chandrani Singh, Kunal Dhongadi Text Finder Application for Android, Vietnam Journal of Computer Science.

## BOOKS PUBLISHED

1. Eworld -Emerging trends in Information Technology by Excel Books New Delhi
2. Software Project Management book by Excel Books New Delhi
3. Principles and Practices of Management and Organizational Behaviour, Sage Publishing New Delhi, First Edition. (Adopted by IIM Kozikode, IIM Vishakhapatnam, Symbiosis, NIT Suratkal, Marbella University Spain, European University Institute Library)
4. Principles and Practices of Management and Organizational Behaviour, Second Edition Under Progress, Routledge.
5. Visual Social Marketing (IN ACM DIGITAL LIBRARY) by BPB Publications
6. Inbound Marketing by BPB Publications
7. Pragmatic Perspective for Marketing: A Realistic Approach, Eliva Press.
8. Advanced Research Methodologies by Routledge under progress.

## BOOKS EDITED, AUTHORED AND PUBLISHED

9. COVID - 19 Pandemic: A Global View Country wise Analysis and Reports by Scholars Press Germany ISBN - 978-620-2-31926-3
9. Chief Editor IT RIBW 2018 -978-93-5291-130-1
10. Chief Editor DSAIS 2020 - 978-93-5396-504-4
11. Editor and Author of Machine Learning, Data Science and Deep Learning with Python (Proceedings of AICTE Sponsored Faculty Development Programme 2021) [Print Replica] Kindle Edition.
12. Editor and Author of CRC Focus Series, Taylor and Francis Group, Era of Artificial Intelligence.
13. Editor for AITIS 2008 Conference Proceedings ISBN 13: 978-81-8404-427-0 (IN ACM Digital Library).
14. Editor National Workshop on Adoption of Multiple Entry and Exit (Implementation Initiatives), Taxmann Publications

## BOOK CHAPTERS PUBLISHED

15. Chandrani Singh, Archana Nandan Nair - Collaboration between industries and higher education institutions - the Indian scenario: Revisiting strategies methods and practices in alignment to education 4.0 -a case study with IGI Global Publishing.

16. Chandrani Singh, Sunil Hanmant Khilari and Archana Nandan Nair - Farming-as-a-Service (FAAS) for a Sustainable Agricultural Ecosystem in India: Design of an Innovative Farm Management System 4.0, IGI Global.
17. Chandrani Singh, Sourav De - Application of Generative Adversarial Networks in Computer Aided Diagnosis, Taylor and Francis Group, Chapman & Hall/CRC Computational Intelligence and Its Applications series.
18. Chandrani Singh, Kandarp Vidyasagar, Khushbu Kumari, Soumit Roy, Rajiv Kumar Dwivedi and Rik Das. A Mathematical Disposition of Optimization Techniques for Neural Networks, CRC Focus, Taylor and Francis.
19. Chandrani Singh, National Education Policy, Taxmann Publication ISBN 978935622752

## **CONTENT WRITING**

### **Excel Books, New Delhi (For NMIMS)**

1. Search Engine and Email Marketing
2. Web Analytics

### **Mumbai University's Institute of Open and Distance Learning**

1. Discrete Mathematics for F.Y. B.Sc Comp Science (2 chapters)
2. Applied Mathematics for S.Y. B. Sc Comp Science (3 chapters)

### **Symbiosis International Symbiosis School of Online and Digital Learning**

1. Introduction to Python for M.Sc(CA) program

## **ARTICLES**

1. Article published by InspirePro, the newsletter of MarketsPro on the The impact of technology on career development and creating opportunities for the students, 23rd April 2021.
2. Article published by **Elets technomedia digitalLEARNING** Transforming Education through Global Collaboration: The Roadmap August 2019.
3. Article published by team **Education Jagat** on international webinar conducted by team SIOM on Transforming Education through Global Collaboration: The Roadmap.
4. Article published by **Business World** <http://bweducation.businessworld.in/article/Post-pandemic-Campus-Placement-Scenario-A-Disruptive-Innovation-Of-Self/19-05-2020-192515>.
5. Article published by **Hindustan Times** on 13th March 2020 –Collaborative research projects is key to overall success.
6. Article published in **Education Jagat by Jagat Media Solutions** 1-15 Aug 2019 HR Best Practices: A Myth or Reality for Indian Education Sector.
7. Article published by **Elets technomedia digitalLEARNING**. (Link <https://digitallearning.eletsonline.com/2018/12>) International practices in assessment and accreditation at higher education in Asia's premier magazine on education, /international-practices-in-assessment-and-accreditation-at-higher-education/).
8. Article published by **TCS-ION** on Industry - Academia partnership to craft Digital India was published in the year 2015.

## **RESEARCH PROJECTS**

1. Principal Coordinator for AICTE funded project under Research Promotion Schemes (RPS) (2019-20), Thin Client and Virtualization Lab.
2. Spearheaded the Cost Estimation Project under BCUD, SPPU under minor research project scheme.
3. Spearheaded an Online Assessment, Recruitment Software. The software is supported by analytics, along with visualization and dashboarding systems to quickly understand data and is a major draw for corporates. This will help corporate leaders have a seamless integration of the phases (registration, test conduction, interview conduction) across the entire fresher hiring pipeline. (Refer <https://www.hrtechnologist.com/news/rewards-and-recognition/almamapperiteknika-deal-marks-a-bold-move-into-analyticsbased-recruitment/>). (<https://economictimes.indiatimes.com/industry/services/education/almamapper-buys-iteknika-in-swap-deal/articleshow/61956553.cms>).
4. Currently ongoing implementation of adaptive form of assessment and use of AI for intelligent and quick hiring and sole copyright owned by iTeknika Services and Solutions, Pune.
5. Was the Principal Investigator for UGC Grant sanctioned for Automation of Effort Estimation for Software Projects.

## **COPYRIGHTS AND PATENTS**

Sr	Patent No.	Year	Title of Invention	Field of Invention	Publication	Country	Status
.							

					/Grant Date		
1	202321041313	2023	Method for Monitoring and Forecasting of Seed Rate, and Seed Breeding Through Pollination	Computer Science	16/06/2023	India	Ready for Publication
2	202321003623	2023	Method for Designing and Developing Multilingual Online Interactive Encyclopedia in Organic Fertilizers	Computer Science	03/02/2023	India	Published
3	202021008223	2020	Managing Six Sigma implementation in a manufacturing organization	Civil	26/02/2020	India	Published
4	202221029610		A system for supervising content items displayed on a signage device and a method thereof - published	Computer Science	23/06/2022	India	Published
5	444364	2017	Green Calci-Com -Speak to Calculate Device	Patent	10/08/2023	India	Granted for STES

Copyright filed at Copyright Office, Department of Industrial Policy & Promotion, Ministry of Commerce and Industry, New Delhi						Computer Software Work
Sr	Diary Number	Registration No.	Applicant Name (Authors)	Date of filling	Class of work	Work Title
1	<u>9079/2022-CO/SW</u>	<u>SW-15888/2022</u>	Krishna Sinnarkar / Dr.Chandrani Singh / Prof.Kumudini Manwar	28-04-2022	Computer Software	Forestroke Management System
2	<u>8306/2022-CO/SW</u>	<u>SW-15889/2022</u>	Ajinkya Bhagat/ / Dr.Chandrani Singh / Dr.Milind Godase / Prof.B.Dodi / Mr.Vimu Kale	20-04-2022	Computer Software	Wild Animal Rescue Software Application
3	<u>7843/2022-CO/SW</u>	<u>SW-15890/2022</u>	Rohan Kudale / Dr.Chandrani Singh / Dr.Sunil Khilari	13-04-2022	Computer Software	FinoStat- Ultimate Financial Calculator
4	8136/2022-CO/SW	SW-15891/2022	Vimu Kale / Dr.Chandrani Singh / Dr.Sunil Khilari	18-04-2022	Computer Software	Animal Rescue System
5	9795/2022-CO/SW	SW-15921/2022	Ritik Suman / Dr.Chandrani	10-05-2022	Computer Software	Fake News Detection

			Singh / Prof.Monalisa Bhinge			
6	18827/20 22- CO/SW	SW- 15981/2023	Rushikesh Mahajan/Dr.C handrani Singh/Prof.Ku mudini Manwar	08-09- 2022	Computer Software	"Rishi Padya Poem" - Animation Software App
7	19328/20 22- CO/SW	SW- 15980/2023	Kiran Pagar / Dr.Chandrani Singh / Dr.Ankush Kudale	14-09- 2022	Computer Software	"Face Recognition Attendance System Using Python and ML Software Code
8	19385/20 22- CO/SW		Sagar Pund / Dr.Chandrani Singh / Dr.Ankush Kudale	14-09- 2022	Computer Software	"Krushi Agro Agency using Java Language Software Code
9	19440/20 22- CO/SW	SW- 15982/2023	Gokul Bothe/Dr.Cha ndrani Singh/Dr.Ram esh Jadhav/Dr.Su nil Khilari	14-09- 2022	Computer Software	Police File Handler
10	15510/20 23-CO/L	L- 130187/202 3	Dr.Daniel Penkar	11-06- 2023	Literary /Drametic Work	Students Skills Training and Transformation Program STP For Sinhgad Management Institutes
11	18904/20 23- CO/SW		Akanksha Ghatage / Dr.Milind Godase / Dr.Chandrani Singh	19/07/20 23	Computer Software	Clustered Rooming House
12	18924/20 23- CO/SW	SW- 17144/2023	Shubham Girmakar / Dr.Milind Godase / Dr.Chandrani Singh	19/07/20 23	Computer Software	HallsUnite
13	19858/20 23- CO/SW		Varad Dongre/ Dr.Chandrani Singh /Dr.Sunil Khilari	29-07- 2023	Computer Software	PyD Online Python Interpreter

## PROJECT GUIDANCE

1. Guided 1000 post graduate students as a part of their semester industrial project work a requisite of their course curriculum.

2. Worked as a Phd co-guide for 10+ students

### Past Training Programs Attended

1. Successfully completed Data Science training program conducted by Infostretch Corporation Pune in 2019.

2. Successfully completed Faculty Development Program on Office 365 in March 2019 and is a certified Microsoft Innovative Educator.

3. Successfully completed Faculty Development Program at Infostretch Corporation Pune in June 2018.

4. Successfully completed training on OOAD using UML with fundamentals of Rational Rose held by IBM in conjunction with Zensoft Services in May 2006.
5. Successfully completed the training on the Statistical Package imparted by India soft technology in August 2006.
6. Attended a 2-day workshop on Case analysis imparted by Dr Manoj Kumar in September 2006.
7. Successfully completed training for Business Process Modeling using BPF held by Zensar Technologies in February 2007.
8. Attended a training program on Rational software architect and Websphere and Eclipse tool imparted by IBM in August 2007
9. Successfully completed 2-day training on Software Project Management conducted by Persistent Systems in December 2007.
10. Successfully completed 2-day training on Software Project Management conducted by PatniComputer Systems in August 2007.
11. Successfully complete training program on Educational MIS by IVBLIVE Pvt ltd.