

## Somaiya Vidyavihar University

<b>Name:</b> Shweta Dhawan Chachra		<b>E-mail:</b> shweta.chachra@somaiya.edu	
<b>Contact No:</b> 8879002173			
Department/Section:COMP			
College: K J Somaiya College of Engineering			
DOJ Somaiya:01/07/2013	Career Experience:11.5 Yrs	Industry Experience: 0 Yrs	Teaching Experience: 11.5 Yrs
Present Academic Designation: Assistant Professor		Present Administrative Designation:-	

Area of research/specialization and Courses Delivered	
Research domain/interests/areas 1. Image Processing 2. Cloud Computing Courses Delivered 3. Fundamentals of Computer Programming (FCP) in B.Tech FE Sem I and Sem II 4. Digital Logic Design and Analysis (DLDA ) in B.Tech SE Sem III 5. Digital Design in B.Tech SE Sem III 6. Data Structures in B.Tech SY Sem III 7. Operating System and System Software in B.Tech TY Sem III 8. Theory of Computer Science(TCS) in B.Tech SE Sem IV 9. Computer Graphics(CG) in B.Tech SE Sem IV 10. System Laboratory in B.tech SE Sem IV 11. Open Source Technology Programming Laboratory- Python in B. Tech SE Sem IV 12. Web Technologies in B.Tech TE Sem V 13. Software Engineering in B.Tech TE Sem V 14. Distributed Database Laboratory in B.Tech TE SemVI 15. Cloud Computing Laboratory in B.Tech Final Year Sem VIII 16. Distributed and Cloud Computing in B.Tech Final Year Sem VIII	

<b>Recognition as a teacher by any University</b>	<b>UG:</b> Yes	<b>PG:</b> No	<b>Ph.D :</b> No
<b>Details of Recognitions</b>			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D					
PG	M.Tech	Mody University, Lakshmangarh, Rajasthan	Mody Institute of Technology & Science	2012	7.95
UG	B. Tech (CSE)	C.S.J.M University, Kanpur	U.I.E.T,	2009	9.04
Diploma					
NET/SET/Other					

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Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	Pranveer Singh Institute of Technology (PSIT- PSAT group), Kanpur	Assistant Professor	July 2012	Dec 2012	6 months
2.	Pranveer Singh Academy of Technology (PSIT- PSAT group), Kanpur	Lecturer	July 2009	July 2010	1 year

Research Accomplishments and Projects		
No of students pursuing Ph.D as on date:-		No of students completed Ph.D as on date:-
No of students completed PG thesis / Project work as on date:-		No of students / groups completed UG projects as on date:60
Publications Total:10	Number of Peer review Journal papers:4	Number of Conference papers:6
<p>Details of Publications:</p> <p>International Journals/Conferences</p> <p>For Year 2020-2021</p> <ol style="list-style-type: none"> <li>1. Paper Title : Trace Me - Application Using Blockchain For Traceability &amp; Transparency In Food Supply Chain, Conference:International Conference on Advances in Science &amp; technology(ICAST 2021), SSRN: <a href="http://ssrn.com/abstract=3862323">http://ssrn.com/abstract=3862323</a></li> </ol> <p>For Year 2019-2020</p> <ol style="list-style-type: none"> <li>2. Paper Title : Smart Dustbins - Automatic Segregation &amp; Efficient Solid Waste Management using IoT Solutions for Smart Cities, Journal:International Journal of Engineering Research &amp; Technology (IJERT), Paper Id : IJERTV8IS120303, Volume. 8 , Issue. 12 , December – 2019</li> <li>3. Paper Title : Using Object Detection and Data Analysis for Developing Conference:Customer Insights in a Retail Setting, 3rd International Conference on Advances in Science &amp; Technology (ICAST) 2020,SSRN: <a href="https://ssrn.com/abstract=3561690">https://ssrn.com/abstract=3561690</a> or <a href="http://dx.doi.org/10.2139/ssrn.3561690">http://dx.doi.org/10.2139/ssrn.3561690</a></li> </ol> <p>For Year 2018-2019</p> <ol style="list-style-type: none"> <li>4. Paper Title : Text to Image Generation of Fashion Clothing , Conference: IEEE 6th International Conference on Computing for Sustainable Global Development (INDIACom), Mar 2019, ISBN:978-1-5386-9271-4", "Electronic ISBN:978-9-3805-4434-2 DVD ISBN:978-93-80544-32-8</li> </ol> <p>For Year 2017-2018</p> <ol style="list-style-type: none"> <li>5. Paper Title : NSMav-Bot: Intelligent Dual Language Tutor System, Conference:4th International Conference on Computing, Communication, Control And Automation, Pimpri Chinchwad College Of Engineering,Pune, 16-18th Aug 2018</li> </ol> <p>For Year 2016-2017</p> <ol style="list-style-type: none"> <li>6. Paper Title :Android based Visitor Authentication System for Corporates” , Journal: IJIRCCE, Volume 5, Issue 3, March 2017</li> </ol>		

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For Year 2011—2012

7. Paper Title - Feature Extraction & Image Registration of the Palma Dorsa by using Bifurcation Structures. Journal: International Journal of Engineering & Advanced Technology-IJEAT- Volume-1, Issue-4, April 2012, Pages: 96-100. ISSN No: 2249-8958 (Online), Paper Id: D0288041412
8. Paper Title : Venal Pattern Generation of the Palma Dorsa, Conference: International Conference on Computational Vision and Research-ICCVr, Chandigarh, 2012, Pages: 44-48. Paper Id: ICCVR-18MA-017, ISBN No: 9789381693476

For Year 2010--2011

9. Paper Title : Enhanced security of watermarking by using hash function, Conference: International Conference on Software Technology and Engineering-ICSTE-2011, Pages: 35-39, Paper Id: T035, ISBN No: 9780791859797
10. Paper Title - A new concept on airport security using static body biometric and leg angle gait recognition technique, Conference: International Conference on Software Technology and Engineering-ICSTE-2011, Pages: 40-45, Paper Id: T036, ISBN No: 9780791859797

National Journals

1. -

Conferences

1. -

Books/Book Chapters

1. -

Patents/Copy Rights

1. Sss
2. Sss
3. Sss

No of Research / consultancy / projects completed:  
Rs:-

No of Research / consultancy / projects on-going: 1  
Rs: 20 Lakhs

No of Research / consultancy / projects on applied as on date:  
Rs:-

Details of Research / consultancy / projects:

Completed

1. -

On-going

1. Research Proposal as Co-Investigator for “Artificial and Geo Intelligence and its applications”, under SVU, Vidyavihar, Mumbai.

Applied

1. -

IPR/ Copyrights

1. -

### FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered

Attended

For Year 2020-2021

1. Training session on "HOW TO TEACH ONLINE EFFORTLESSLY" organized by Department of Computer Engineering, K.J.S.C.E in association with Digital Xp Pen on 17th OCT, 2020
2. Webinar on "Post Covid Challenges: What industry expects from Academia?" organized by Department of Information Technology, K.J.S.C.E in association with TCS, on Jan 8th, 2021
3. AICTE Sponsored One Week Online STTP on “Data Analysis using Python” conducted by Department of Computer Engineering, IPS Academy, Institute of Engineering & Science, from

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01st -09th March 2021.

4. EDP(Executive Development Program) on “Society 5.0” conducted at Department of Information Technology, Satyabhama Institute of Science & Technology, from 01st -17th March 2021.
5. Online Workshop on LOCF(Learning Outcomes based Curriculum Framework)- Train the trainers, organized by, Somaiya Vidyavihar University on 22nd & 23rd April, 2021
6. Webinar on "Living Stress free Life in Pandemic" organized by School of Liberal Arts, Sanjay Godhawat University Kolhapur, on May 9th, 2021
7. Online 5 Days Faculty Development Program on “Cyber Security Awareness” conducted at Department of Computer Science & Engineering, Amity School of Engineering and Technology, Amity University Mumbai, from 24th -28th May 2021.
8. Online programme for the celebration of " SHIV SWARAJYA DIN " organized by Maharashtra State Government on 6th June 2021.

For Year 2019-2020

9. STTP on “Data Science” conducted at RAIT, Navi Mumbai, under Pandit Madan Mohan Malaviya National Mission from 9th-14th October 2019.
10. National FDP on “Latex” organized by Sanjay Godhawat University Kolhapur in association with Spoken Tutorial Project, IIT Bombay, 27th April - 2nd May 2020
11. Webinar on Data Analytics organized by Department of Information Technology, Er. Perumal Manimekalai College of Engineering, Hosur on May 02,03,04 2020
12. Webinar on Pateomatic Patent Drafting Tool organized by Solutions4urIP in association with Indian Patent Office, April 25th 2020
13. FDP on Online Teaching and E-Content organized by S.K. Somaiya in association with Indian Institute of Digital Education(IIDE) on June 11th-12th 2020
14. Workshop on Self Defense organized by K.J.S.C.E ISTE Teachers on 13/9/2019
15. Workshop on Experiential Learning organized by K.J.S.C.E Computer Department Skill Development Program on 28/8/2019
16. Workshop on Yoga organized by K.J.S.C.E Computer Department Skill Development Program on 11/9/2019

For Year 2018-2019

17. STTP on "Web Technologies and New Trends" conducted at Shah and Anchor Kutchi Engineering College, Chembur, Mumbai from 02nd July 2018 to 07th July 2018. The technologies like Javascript, No SQL, Webservices, AJAX and Laravel were covered in the STTP. The STTP gave and interactive Hands on experience.
18. NPTEL Online Course on “Software Engineering” conducted by IIT Kharagpur, The Course was of 12 weeks from July-Oct 2018, comprised of Online Assignments and a Proctored Exam. Successfully completed the course with a consolidated score of 82%. Scored in the Top 1% category for the exam with 3rd Rank in the Course.
19. ISTE approved Workshop on “Wireless Network Simulation- Emulation using Qualnet-Exata” organized by Department of Computer Engineering, K.J.S.C.E from 14th-15th May 2019.
20. Participated in the Workshop on IOT Communication using MQTT Cloud Services on 22nd September 2018
21. Participated in the Workshop on Tensorflow & ReactNative on 13th October 2018
22. Participated in Sensitization Workshop on Disability on 19th September 2018 organized by KJSCE Resource Center for PWD Students
23. Participated in One Day Workshop on Learning Management System on 6th October 2018
24. Participated in the Marathon Ecorun organized by Parvaah on 07/04/2019
25. Participated in KJSCE Faculty & Staff Shield Sports for events Carrom and Badminton on 8th September 2018
26. Attended the Session on Knowing about Law on Sexual Harassment of Women at Workplace organized by WDC-KJSCE(Women Development Cell) on 03-10-2018
27. Participated in Diabetic checkup and Seminar on awareness, prevention and cure on Saturday

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23rd March 2019

28. Attended Talk on Demystifying AI - A Talk by an Inspirational Woman Leader organized by WDC-KJSCE on 24th April 2019
29. Participated in Faculty Fun activity in Teachers Day Celebration 2018, Pair Task with Prof Swati Mali from Computer Department

For Year 2017-2018

30. STTP on "Industrial Python Programming" conducted at A. C. Patil College of Engineering, Kharghar from 20th November 2017 to 24th November 2017. The STTP was an interactive Hands on session.
31. NPTEL Online Course on "Cloud computing" conducted by IIT Kharagpur, The Course was of 8 weeks from Aug-Oct 2017, comprised of Online Assignments and a Proctored Exam. Successfully completed the course with a consolidated score of 80%.
32. Faculty Development Program at TCS: Attended Faculty Development Program organized by Academic Interface Program Wing of Tata Consultancy Services on 23rd January 2017. It included sessions on Cognitive Computing and Cloud Computing, IPR and Patenting Process.
33. Attended KJSCE OUTREACH CENTER Seminar at Civil Defense Staff College, Mumbai on 15th February 2018
34. Attended the Fire Safety Awareness Program 2018 from Maharashtra State Home Guards & Civil Defence Headquarters at Ravindra Natya Mandir Hall, Prabhadevi, Mumbai on 28th February 2018

For Year 2016-2017

35. 1) Attended One week ISTE approved Short Term Training Program on "SMAC" (Social Mobile Analytics & Cloud) organized by Comp Department, KJSCE, Vidyavihar from 05th Dec to 09th Dec, 2016.

For Year 2015-2016

36. 1) BMWCS101.1x by IIT Bombay: Participated in a Two-week ISTE STTP on Computer Programming (BMWCS101.1x) conducted by Indian Institute of Technology Bombay in Blended Mode from July 16, 2015 to December 21, 2015. This STTP was held under the National Mission on Education through ICT (MHRD).
37. 2) Accenture Faculty Development Program on 'Cognitive Computing': attended an interactive day-long session on Cognitive Computing on December 16 2015, delivered by Subject Matter Experts from the technology business who shared insights on the topic from a business perspective.

For Year 2013-2014

38. 1) Orientation Program on Computer Graphics: Attended Orientation Program on Computer Graphics on 10th January 2014 at Thadomal Shahani Engineering College, Bandra.

Organized

1. Co-ordinator of ISTE approved One Week Online Short Term Training Programme (STTP) on "Geographic Information System (GIS)" from 19-07-2021 to 23-07-2021 organized by Department of Computer Engineering, K. J. Somaiya College of Engineering, Vidyavihar, Mumbai.
2. Submitted Research Proposal as Co-Investigator for "Artificial and Geo Intelligence and its applications", to SVU, Vidyavihar, Mumbai.
3. Organised Guest Lecture for TY students of Computer Department on the topic "Introduction to GIS and Project Ideas" on 15th February 2019
4. Organized Hands On Session for Final Year Students of Computer Department on the topic "Web Services" on 13th April 2019
5. Organised Cyber Security Awareness Seminar by KJSCE Outreach Council at a) ITI College ,

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Mulund on 12 July 2018 b)ESIS Hospital Mulund on 13th July 2018 c)Civil Defence Office, Mulund on 19th July 2018

6. Organised Session on “Preparation for Campus Placement” on 12th August 2017 by Mr. Dhawal Chothani, Alumnus from KJSCE, Manager in Morgan Stanley as Faculty Co-ordinator for Student Workshop Committee of Computer Department. The Session was for SE and TE Students of Computer Department
7. Organised Seminar on “Deep Learning” by Bro. Tanay Varshney, B.Tech Final Year Student from Computer Department of KJSCE, on 10th October 2017 as the Faculty Co-ordinator from Student Workshop Committee.
8. Organised Guest lecture on “IoT and sensor devices” on 7th April 2018 for Second Year, Sem IV Students, as part of Experiment in Course “System Laboratory”.

### Delivered

1. Took a Session on “Hands On - Georeferencing Maps” on July 20, 2021 in the ISTE Approved Online Short Term Training Programme on “Geographic Information System” organized by Department of Computer Engineering, KJSCE held during July 19, 2021 to July 23, 2021. It was a National Level Event.
2. Took initiative called GATE Preparatory Online lectures for the GATE Aspirants from KJSCE Computer Department Students of SY, TY and LY, Conducted Sessions on Topics from Data Structures Course on 23rd and 24th June 2021.
3. Conducted Remedial Lecture for Specially abled student “Nilesh Kumar Jha” of Second Year, Department of Computer Engineering on Dec 11, 2020
4. Presented Abstract Titled “Effective Use of Audio Visual Teaching Aids by Embedding Interactive Tools” in KJSCE Faculty Conclave 2019 on July 12, 2019
5. Presented Abstract Titled “Incorporating ICT Tools in Effective Teaching of Emerging Technology based Engineering Courses” in KJSCE Faculty Conclave 2019 on July 12, 2019
6. Presented Abstract Titled “Study on Interactive Digital Classroom: Google & Edmodo” in KJSCE Faculty Conclave 2019 on July 12, 2019
7. Expert Lecture given on the Topic “IOT: Protocols, Security & Standards” Vivekanand Education Society’s Institute of Technology (VESIT), Chembur, Mumbai on 13/9/2019
8. Expert Lecture given on the Topic “Current Trends in Distributed and Cloud Computing” in Vivekanand Education Society’s Institute of Technology (VESIT), Chembur, Mumbai on 21/9/2019
9. Expert Lecture given on the Topic “Web Technology & Trends” to Second Year Students of Shree LR Tewari College of Engineering (SLRTECOE), Thane, Mumbai on 14/8/2019
10. Won ISTE Essay Competition Titled “Teachers’s Perspective on Engineering Curriculum Relevant to Societal Needs” on the Occasion of Teacher’s Day, 5th September 2019
11. Awarded Letter of Appreciation on 18th September 2019, for the “Special Contribution for PWD students”.
12. Guest speaker in the 2 days workshop on “Teaching Learning Pedagogy” organized by Maharana Pratap college of Engineering, Kanpur from 25-26 June 2019.
13. Delivered Hands- On-Session on “Kahoot” in MPEC (Maharana Pratap Engineering College), Mandhana, Kanpur on 25-6-2019
14. Delivered Hands- On-Session on “WorditOut” in MPEC (Maharana Pratap Engineering College), Mandhana, Kanpur on 25-6-2019
15. Delivered Hands- On-Session on “Google Classroom” in MPEC (Maharana Pratap Engineering College), Mandhana, Kanpur on 25-6-2019
16. Delivered Session on “Active Learning Methodology-Four Corners” in MPEC (Maharana Pratap Engineering College), Mandhana, Kanpur on 26-6-2019
17. Delivered Session on “Active Learning Methodology- Jigsaw” in MPEC (Maharana Pratap Engineering College), Mandhana, Kanpur on 26-6-2019

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18. Conducted Remedial Lectures for Specially Abled Students of Last Year in Computer Department for the subject DCC
19. Took a Session on Project Management Tools in M.Tech Refresher Programme K-ENHANCE on 07-09-2019
20. Poster Presentation in One day Workshop on Moodle conducted by IIT Bombay under IIT Remote center based on work done n Published Research Papers
21. Gave Internship to TY students on the topic Software for Faculty Development Committee
22. Gave Workshop on “IOT Sensors and their Interface with Cloud” at VES, Vivekanand Education Society Polytechnic College, Chembur, Mumbai on 25-02-2018
23. Presented a Webinar on “Use of Kahoot as a Formative Assessment Tool in Engineering Education” on 03-04-2018
24. Participated in the Marathon Ecorun organized by Parvaah on 07/04/2019
25. Participated in KJSCE Faculty & Staff Shield Sports for events Carrom and Badminton on 8th September 2018
26. Special Efforts taken for Hearing Impaired Proctee Dhruv Desai, Continuous Communication with Parents, Entire File/Documentation Maintained

### Notable Key Scholastic Achievements

1.	Scored 89.37 percentile in <b>GATE 2009</b> .
2.	Qualified for FPGDST Course at <b>CDAC (Centre for Development of Advanced Computing)</b> through CST 2009 Examination.

### Notable Positions and Responsibility

1.	
2.	Departmental Placement Co-ordinator
3.	Departmental Internship Co-ordinator-Regular Internship + Semester Long Internship
4.	Departmental CSI Co-ordinator
5.	KJSCE E-Outreach Cell ( Institute Level Co-ordinator)
6.	Proctor in the Proctorial System for Students

**Shweta Dhawan Chachra**

**Date: 9/2 / 2023**

**Signature of Faculty Member**