Somaiya Vidyavihar University

Name: Mrs. Chaitali K Kulkarni		E-mail:chaitali.i@somaiya.edu	
Contact No: 02266449302			
Department/Section: EXTC			
College: K J Somaiya College of Engineering			
DOJ Somaiya:04-01-2016	Career Experience:11 Yrs	Industry Experience:0Yrs	Teaching Experience:11Yrs
Present Academic Designation:		Assistant Professor	

Area of research/specialization and Courses Delivered

Research domain/interests/areas
1. Embedded Systems
2. Internet of Things
3. Cloud computing/virtualization

Courses Delivered
1. Real Time Operating systems
2. Advanced Microcontrollers
3. Embedded System Design Laboratory
4. Python Programming
5. Internet of Things
6. Big data analytics
7. Cloud computing
8. Artificial Intelligence

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

1. UGC

Education

Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D					
PG	ME	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	SPWEC , Aurangabad	2014	73
UG	BE	Dr.Babasaheb Ambedkar Marathwada University Aurangabad	MGM'S Jawaharlal Nehru Engineering College, Aurangabad	2011	70.80
Diploma	Diploma	MSBTE	Hi-Tech Polytechnic Aurangabad	2008	78.64

Somaiya Vidyavihar University

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:06
Publications Total:04	Number of Peer review Journal papers:01	Number of Conference papers: 02

Details of Publications:
International Journals

1. Microstrip Antenna as a Temperature Sensor for IoT Applications, IEEE International Conference Microwave, Antennas, and Propagation Conference (MAPCON) (Dec 12-15, 2022) organized by IEEE MTT/AP Society Bangalore Jt Chapter
2. Survey of Bandwidth Enhancement of Microstrip Patch Antenna Using H Shaped Patch, International Journal of Advanced Research in Computer and Communication Engineering, volume 2, issue,10 2013.
3. Effect of Different Substrate Material on Performance of H Shaped Patch Antenna, International Journal of Innovative Research in Computer and Communication Engineering, volume 2, issue11,2014
4. Designing of Bandwidth Improved 'h' Shaped Microstrip Patch Antenna for Bluetooth Applications using Ansoft HFSS, International Journal of Science and Research (IJSR), volume 3, issue 4, 2014

National Journals

Conferences
Presented paper on "Study of different types of microwave antenna & its applications'' National conference in Pravara Rural college of Engineering, , Loni
 IEEE International Conference Microwave, Antennas, and Propagation Conference (MAPCON) (Dec 12-15, 2022) organized by IEEE MTT/AP Society Bangalore Jt Chapter
Books/Book Chapters

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

Details of Research / consultancy / projects:
Completed
1. Minor Research Grant by University of Mumbai on the titled "Design and Development of Passive Antenna Temperature Sensor for IOT Application" 2019-2020

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

Attended
1. Completed online course on "Internet of Things: Communication Technologies" ,Coursera
2. Completed training on "Getting Started with Real Time Operating Systems for ARM", Texas Instruments.
3. Workshop on "Embedded Machine learning On Cartesiam's Nano Edge AI for STM32 MCU
4. Workshop on Microcontroller Lab based on Pt-51,IIT-bombay
5. Attended training sessions on Microsoft Azure services

6. Completed online NPTEL online course on Introduction to IoT, July-Oct 2019

7. AICTE-ISTE Approved Short term training program on "Industrial IoT System Design from Sensing to Mitigation", June 10th to 15th 2019.

8. AICTE-ISTE Approved Short term training program on " Teaching methodologies for core Electronics and telecommunication courses, July 02 – 07, 2018

9. AICTE- ISTE SPONSORED One Week Induction / Refresher Programme on "Cloud Computing and Security" ,11-16 June 2018, Department of Computer Engineering, K. J. Somaiya College of Engineering

10. AICTE-ISTE Induction/Refresher Programme on "Innovative Teaching Learning Practices to Achieve Outcome Based Education and Accreditation", 3rd May 2018 to 9th May 2018, SPIT, Andheri, Mumbai

11. Hands-on workshop on Wireless Sensor Networks and IoT, 8-9, February 2018, Department of Computer Engineering, K J Somaiya College of Engineering

12. Hands-on Python programming and Data analytics, 03 March 2018, Department of Computer Engineering, K J Somaiya College of Engineering

13. IQAC, KJSCE Two Day Training Programme for Newly Joined Faculty Members, K. J. Somaiya College of Engineering

14. Two days workshop on "Embedded system design using MSP 430", Imperial College of engineering & research, during 12-13 June 2107

15. "Practical Approach towards Wireless communications", EXTC department, KJSCE, 6th Jan 2017

16. ARM training, EXTC department, KJSCE, 20th August 2016

17. "HEP1 EDA tool industrial grade Mixed signal CMOS VLSI Design software, February 04, 2017

Organized

1. Workshop on "IoT & advances in embedded systems" for faculty and research scholar under Texas university program during 25/06/18- 29/06/18, department of Electronics and Telecommunication engineering, KJSCE, Mumbai.

2. Workshop on "IoT technologies" in association with ATS learning solution, department of electronics and telecommunication engineering, KJSCE, Mumbai.

3. IoT certification exam in association with Microsoft, department of electronics and telecommunication engineering, KJSCE, Mumbai.

4. Seminar on "IoT Technologies" in association with ATS learning solution.

5. ISTE approved workshop on "practical approaches in wireless communications" EXTC department, 29/05/17 02 /06/ 17, KJSCE, Mumbai

6. Orientation Session on Smart India Hackathon 2022 In Collaboration With CSI-KJSCE, 28-

02-2022 to 28-02-2022.

7. SIH-KJSCE INTERNAL HACKATHON 2022 in collaboration with CSI KJSCE, 23/03/22 to 24/03/2022.

8. Workshop on introduction to MSP430 microcontroller, 1 day, 26-02-2022, KJSCE.

9. ISTE approved STTP on "internet of things: a multidisciplinary approach for future innovations" 02/01/2023 to 06/01/2023.

Delivered

1. Guest lecture delivered on the topic Introduction to 8051 microcontroller for TY mechanical Engineering students   Department of Mechanical Engineering, K J Somaiya College of Engineering, Mumbai 26/11/2021 to26/11/2021.

2. Guest Lecture Delivered Hands on session conducted on IoT lab ISTE Certificate for ISTE Approved Short Term Training Program on "Internet of Things: A Multidisciplinary Approach for Future Innovations" KJSCE ,03/01/2023 to 03/01/2023.

3. Hands on session on Internet enabled microcontrollers for IoT, in STTP on "Industrial IoT System Design from Sensing to Mitigation" ,Department of ETRX,KJSCE,06/12/2019.

	Notable Positions and Responsibility
1.	Institute level Alumni cell committee member
2.	Institute level Women's Development cell committee member
3.	Institute level PUSH committee member
4.	Time table in-charge EXTC department
5.	Faculty activity committee member EXTC department

Date: 08/02/ 2023   **Signature of Faculty Member**