SUPRIYA KAMOJI
Mobile: 9920487455
Email: sks.supriya@gmail.com
LinkedIn: linkedin.com/in/supriya-kamoji-97a00159

OBJECTIVE: To impart the best quality technical skills & knowledge to students. This would build confidence in the students & enable them to take up challenging careers & assignments.

Presenting 20+ Years' varied exposure in Education domain…. Track Record of Success in….

Profile Summary

Dedicated Engineering Professor with strong record in both teaching and administration. Proficient in explaining complex Engineering theories in clear and accessible manner. Skilled in development and implementation of educational technology tools and applications in the classroom.

- Expertise in designing course content in domain of computer Engineering as per Bloom's Taxonomy.
- Educational Technology Expert in domain of Machine Learning, Deep Learning and computer vision.
- Diverse teaching modalities.
- Resource person for the technical talks for the students and faculty members.
- Adept in organizing various International and national level technical and non-technical events for faculty and students.
- Skilled academic mentor
- Published 17+ technical research papers in reputed International Journals and Conferences.

1. Experience

INSTITUTE (1):	FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING(F.R.C.R.C.E), BANDRA(W)
DESIGNATION:	ASSISTANT PROFESSOR
DURATION:	JULY 2005 - TILL DATE
RESPONSIBILITY:	Teaching, mentoring, Course Coordinator, Member of syllabus design committee for Mumbai university, Placement Coordinator, Research Assistant
INSTITUTE (2):	B.V.B. COLLEGE OF ENGINEERING AND TECHNOLOGY COLLEGE IN HUBLI, KARNATAKA, INDIA
DESIGNATION:	LECTURER
DURATION:	2002 – 2005
RESPONSIBILITY:	Teaching, Mentoring, Course Coordinator

2. Education

DEGREE	COLLEGE	UNIVERSITY	YEAR	PERCENTAGE	Class
Ph.D. (COMPUTER ENGINEERING)	SIR PADAMPAT SINGHANIA UNIVERSITY	UDAIPUR	2020	PURSUING	
M.E (COMPUTERS)	THADOMAL SHAHANI COLLEGE OF ENGG	MUMBAI	2011	73.1%	DISTINCTION
B.E (E & C)	SDMCET, DHARWAR	KARNATAKA	2000	71%	DISTINCTION

3. Key Responsibilities handled

- **NIRF Coordinator 2022 till date:** Filling the prerequisite form and collecting compiling data required for NIRF. Making the analysis of previous years data to frame action plans for improvement in the scores in the next year.
- **BE Project Coordinator 2022 till date:** Arranging orientation sessions for project topic selection, scheduling mid term presentations of BE projects and calculation outcome of project.
- **Coordinator of Fr. Conceicao Rodrigues Memorial Debate (CRMD) 2019 and 2018 – A national level event.**

  Fr. Conceicao Rodrigues Memorial Debate is a National level event , fondly called as CRMD usually conducted in the month of September of every year. CRMD gives students creative room to express their views and serves as a platform where they can articulate their thoughts, showcase their debating skills and fulfil their appetite for more information.

- **Coordinator for the college cultural festival 2017-18**

  The most awaited festival of the college which has lots of fun, music, drama, and dance called Euphoria. It is a 3-day long festival give an opportunity to the students to showcase their talents in various fields like literature, personality, gaming, performing arts etc.

- **Department placement in-charge 2014-2016 and 2019 till date**

  Mentoring the students for the placement drives, framed the placement policies, collected the technical sample questions after every company visit and uploaded on the portal for the reference of junior students. Organized talks from senior students for preparation of interviews and higher studies. Compiled the final placement statistics and graphical charts.

- **Organized various ISTE approved Short Term Training Programmes (STTP), Student Development Programme(SDP) and Faculty Development Programmes(FDP)**

  Organized various training programmes by Identifying the thrust areas in the field of computer Engg field, which is a combination of Expert's Speeches & Practical Demonstrations by eminent personalities from Industry and Academia. Such training programmes are aimed to upgrade the knowledge of teachers who are teaching various disciplines of science and engineering subjects in colleges or Universities, to the students for meeting the current requirements of IT industry and for research scholars to conduct their research work.

- **In-charge of Identifying the weak and strong students**

  In regular interval, identify weak students using tools such as test, quiz, Module test and assignment. Designed additional resource materials to improve their performance. Providing guidance to students for developing their career as well as making them familiar with different career opportunities.

4. Curriculum Development Experience

1. **Subject: Cloud Computing skill Development lab- VI Semester Computer Engg, January 2022**
   Responsibility: Designed the course contents for the skill development of students in the domain of cloud computing. Course content included framing the list of experiments, creating the instructional manual, slides/PPT and video contents for each experiment.
2. **Subject: Structured Programming Approach- II Semester Engg, January 2021 and 2019**
   Responsibility: Designed the lecture plan, list of experiments and slides/PPT, Designed and Conducted the online coding tests on hacker rank.
3. **Subject: Competitive Coding and Advanced Coding– III and V semester Computer Engg- 2017 & 2018**
   Responsibility: Framed the syllabus and designed challenging problem statements to enhance the coding skills of the students which help them in placement drives.
4. **Subject: Computer Organization and Architecture- IV Semester Computer Engg-2016-17**
   Responsibility: Designed the syllabus and practical list. Conducted the Orientation programme for the faculty members of Mumbai University to transfer the practical knowledge of Computer Organization and Architecture.
5. **Subject: Preplacement Preparation - 2014 to 2016 and 2019 to 2022.**
   Responsibility: Collaborated with subject matter experts to update the students on the procedures, processes, and company specific training (Technical and Aptitude). Designed the content and timeline framework for technical and Aptitude training for placement drives. Organized the alumni preplacement talks and mock interviews, collected feedback on students preparedness to improve the curriculum content and placement statistics.

5. Resource Person in Training Program

Sr. no	Program Details	Academic Year	Participant / Resource Person	Duration (2weeks/ 1week/days)
1	Virtual Lab on computer Organization and architecture	2016-17	Resource Person	2 days
2	"Machine Learning" in Shah and Anchor Kutchhi college of Engg, organized on 2nd and 16th march, 2019.	2019-20	Resource Person	1 week
3	Cloud Computing	2021-22	Resource Person	2days

6. Funded R & D Projects and Consultancy work

Sr. no	Funding Agency	Number of Projects
1	Mumbai University(Minor Research Grant Projects)	3
2	eFSI (IIT Project) IIT (Bombay)	1

7. Enhancement of Qualification

Sr. No	Title of the Degree	Academic Year	Duration	University/ Institute
1	NPTEL Course on Cloud Computing	2017-2018	1 week	IIT Khargapur
2	NPTEL Course on Soft Skills	2017-2018	1 week	IIT Khargapur
3	**NPTEL Course On data mining**	2018-2019	1 week	IIT Khargapur
4	NPTEL Course Compiler construction	2019-2020	1 week	IIT Khargapur

5	**Certification Course Convolutional Neural Network (CNN)**	2019-2020	1 week	Coursera
6	**Certification Course Neural Network**	2019-2020	1 week	Coursera
7	**Certification Course Structuring ML Projects**	2019-2020	1 week	Coursera
8	Certification Course Programming for everybody	2019-2020	1 week	Coursera
9	**Certification Course Sequence Models**	2020-2021	1 week	Coursera

8. Research Publications		

1	Number of Research Publications in International Journals	**10**
2	Number of Research Publications in International Conferences	7

Sr. no	**Publication Details**	**Academic Year**	**Author/ Co-Author**
1	**Performance Analysis of Various Window Sizes for Colorization of Grayscale Images using LBG and KFCG Vector Quantization Codebooks in RGB and Kekre's LUV Color Spaces International** International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Volume-1 Issue-4, September 2011	2011	**Author**
2	**Comparative study of Techniques used for Detection of Selfish Nodes in Mobile Adhoc Networks** International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Volume-1 Issue-4, September 2011	2011	**Co-Author**
3	**Study of Cache Management Algorithms** International Journal of Computer Science and Technology (IJCST). October- December. 2011 ISSN : 0976-8491 (Online) | ISSN : 2229-4333(Print)	2011	**Author**
4	**Performance Comparison of Various Pixel Window Sizes for Colorization of Grayscale Images using LBG, KPE, KFCG and KEVR inKekre's LUV Color Space** International Journal of Engineering and Advanced Technology IJEAT Dec 2011	2011	**Author**
5	**Evaluation of Students Performance Based on Formative Assessment** International journal of Computer applications DOI: 10.5120/11367-6623	2013	**Co-Author**

6	**Key Frame Extraction for Video Summarization Using Motion Activity Descriptors** International Journal of Engineering Research & Technology eISSN:2319-1163	2014	Co-Author
7	**Dynamic Vehicle Traffic Management System** IJRET-International Journal of Research in Engineering and Technology eISSN: 2319-1163, pISSN: 2321-7308	2015	Co-Author
8	**Controversial analysis: Sentimental Analysis of Twitter data** IJARCSSE ISSN: 2277 128X	2017	Co-Author
9	**Prediction of Cardiovascular Disease- A review Publication** IJRASET ISSN: 2321-9653, DOI:10.22214	2019	Co-Author
10	**Prediction of tourism flow in India Using LSTM Model** Journal of Emerging Technologies and Innovative Research DOI:http://doi.one/10.1729/Journal.20564	2019	Author
11	**Analysis of Growth and Planning of Urbanization and correlates changes in Natural Resources** **Springer and Scopus Indexed** International Conference on Innovative Data Communication Technologies and Application (ICIDCA) DOI: https://doi.org/10.1007/978-3-030-38040-3_23	2019	Author
12	**Image Processing based Vehicle Identification and Speed Measurement** **SCOPUS Indexed IEEE** International Conference on Inventive Computation Technologies (ICICT-2020) **DOI:** 10.1109/ICICT48043.2020.9112552	2020	Author
13	**Video Anamoly Detection using 3 D Convolutional Network** **SCOPUS Indexed IEEE** International Conference on Inventive Computation Technologies (ICICT-2020) **DOI:** 10.1109/ICICT48043.2020.9112552	2020	Author
14	**Prediction of Parkinson's Disease using Machine Learning and Deep Transfer Learning from different Feature Sets** **6th International Conference on Communication and Electronics Systems (ICCES)** **DOI: 10.1109/ICCES51350.2021.9488944**	2021	Author

15	Smart Street lamps A solution to Urban Pollution 2nd International Conference on Inventive Research in Computing Applications (ICIRCA) DOI:10.1109/ICIRCA48905.2020.9182980	2021	Author
16	Virtual assistance using question generation/ Answering 4th IEEE Sponsored International Conference on Communication, Information and Computing Technology (ICCICT 2021) DOI: 10.1109/ICCICT50803.2021.951013	2021	Author
17	A Detection, Tracking and Alerting System for Covid-19 using Geo-Fencing and Machine Learning IEEE Sponsored 5th International Conference on Intelligent Computing and Control Systems (ICICCS-21) DOI: 10.1109/ICICCS51141.2021.9432254	2021	Co-Author
18	Analysis of Flood using GIS parameters in context of Sustainable Management Proceedings of the International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2022) DVD Part Number: CFP22CB2-DVD; ISBN: 978-1-6654-8961-4	2022	Author

Patents Published:

1. **Title: FloodKnow : A AI based hybrid system for flood severity prediction based on based on leveraging both textual and visual features using deep neural Network**
   Application Number: 202221070479

Place and Date: Mumbai   **Signature: Prof. Supriya Kamoji**