DR. SUPRIYA KAMOJI

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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 Cloud Computing.
- 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 30+ 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:	ASSOCIATE PROFESSOR		
DURATION:	ASSOCIATE PROFESSOR (from 1 st June 2025 till date)		
	Assistant Professor (from JULY 2005 – May 2025)		
RESPONSIBILITY:	Teaching, mentoring, Course Coordinator, Member of syllabus design committee for		
	Mumbai university, Placement Coordinator, Major Project Coordinator, NIRF Coordinator		
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	2023	DIST	INCTION
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 year's data to frame action plans for improvement in the scores in the next year.
- Times ranking 2022 till date: Filling the prerequisite form and collecting compiling data required for ranking. Making the analysis of previous year's data to frame action plans for improvement in the scores in the next year.
- Coordinator of Student performance –Criteria 4 NBA: Responsible for compiling students results, achievements, internships, placement and publications.
- E-content creation: launched a YouTube channel called techCRCE. This channel will be a great resource for students, alumni, and anyone interested in the latest tech news and tutorials, from the department. Responsible for creating multiple playlist in subject of Social Media Analytics, Information retrieval, Cloud Computing.
- 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 fulfill 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 gives an opportunity to the students to showcase their talents in various fields likeliterature, 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.

- **LeadingIndia.ai:** Worked as team lead for leading India AI initiative by Bennett University. Organized two workshop under this initiative to train faculty members of Maharashtra .
- 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.

• Department 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

- Subject: Cloud Computing skill Development lab- VI Semester Computer Engg,
 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: 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.
- 3. 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.
- 4. 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 student's preparedness to improve the curriculum contentand placement statistics.

5. F	Resource	Person	in	Training	Program
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		Academic	Participant /	Duration
Sr. no	Program Details	Year	Resource	(2weeks/
31.110			Person	1week/days)
1	Faculty development Programme on Virtual Lab on computer Organization and architecture	2016-17	Resource	2 days
	computer organization and areintecture		Person	
2	Faculty development Programme on "Machine Learning" in	2019-20	Resource	1 week
	Shah and Anchor Kutchhi college of Engg, organized on 2 nd and 16 th march, 2019.		Person	
3	Faculty development Programme on advanced Cloud	2021-22	Resource	2days
	Computing		Person	
4	Faculty development Programme on Guidelines for	2023-24.	Resource	2days
	Successful Research Exploration		Person	
5	Guest Lecture on Competitive coding	2022-23	Resource	1day
			Person	
6	Guest Lecture on Applications of Theoretical Computer	2024-25	Resource	1day
	Science		Person	
7	Guest Lecture on Applications of Discrete Structures &	2024-25	Resource	1day
	Graph Theory		Person	
8	Faculty development Programme on Agentic AI	2024-25	Resource	1 day
			Person	
9	Department Advisory member of Xavier Institute of	2024-25	Resource	1 day
	Technology		Person	

Sr. no	6. Funded R & D Projects and Consultancy work Funding Agency	Number of Project
	Title: Smart Children safety in school bus transport using	
1	RFID and Android	4
	Role: investigator	
	Funding Institute: Mumbai University	
	Amount Received: 20000/-	
	Year: 2016-17	
	Mumbai University(Minor Research Grant Projects)	
	Title: Smart Green House using Internet of Things	
	Role: Co- Principal investigator	
	Funding Institute: Mumbai University	

2	Amount Received: 25000/- Year: 2016-17 Title: Smart Wearable for seni Role: Co- investigator Funding Institute: Mumbai Unive Amount Received: 30000/- Year: 2017-18 Title: Smart Cradle for reducing Role: Co- Principal investigator Funding Institute: Mumbai Unive Amount Received: 25000/- Year: 2019-20 eFSI (IIT Project) IIT (Bombay) The project aimed to develop an world problems. The task of develop to monitor plant growth regularly sensors to artificially control humidity, wind etc. This projects association with IIT Bombay.	el Г e,			
	7. Enha	ncement of Qualific	cation		
Sr. No	o Title of the Degree	Academic	Durat	ion	University/
		Year			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 we	ek	Coursera
7	Certification Course Structuring ML Projects	2019-2020	1 we	ek	Coursera
8	Certification Course Programming for everybody	2019-2020	1 we	ek	Coursera
9	Certification Course Sequence Models	2020-2021	1 we	ek	Coursera
10	Sales Force Fundamentals	2022-2023	2days		FDP
11	Generative AI : Concerns and solutions	2023-2024	1 week		ATAL
	8. R	esearch Publication	ns		
1	Number of Research Publications in International 14				
	Journals				
2	Number of Research Publications in International				16
	Conferences				
Sr.	Publication Details				
No					

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24	Data analytics for disaster management response using sentiments. International Conference on Sustainable Computing and Smart Systems (ICSCSS). IEEE, 2023.
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27	A Privacy Preserving Sentiment Analysis using Federated Learning. Second International Conference on Inventive Computing and Informatics (ICICI). IEEE, 2024.
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Patents Published:

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

Application Number: 202221070479

2. Title: MULTIMODAL DISASTER RISK MANAGEMENT SYSTEM

Application Number: 202321027907

3. Title: EDU-VQA - A MULTIMODAL MULTI-KNOWLEDGE OPEN-DOMAIN VISUAL QUESTION ANSWERING MODEL FOR EDUCATION

Application Number: 202321027909

4. Title: "AI BASED AUTONOMOUS WEEDING ROBOT"- Design patent

Application Number: 447560001

Signature: Dr. Supriya Kamoji