

SUPRIYA KAMOJI

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

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EXPERIENCE

2005 – till date	Assistant Professor Fr. Conceicao Rodrigues College of Engineering, Mumbai
2003 – 2005	Lecturer, B.V.B. College of Engineering and Technology College in Hubli, Karnataka, India

EDUCATION

2009 – 2011	TSEC, Mumbai
▪	M.E. (Computer Engineering)
▪	Distinction Class
▪	Project Title – Colorization of Gray scale images
1996 – 2000	SDMCET, Karnataka, India
	B.E. (Electronics and Communication)

KEY RESPONSIBILITIES HANDLED

- **Coordinator of CRMD 2019** – A national level event.

The 21st edition of the annual National level Fr. Conceicao Rodrigues Memorial Debate 2019, fondly called as CRMD was successfully completed on 27-28th of September 2019. The theme for this year was Ideologies: Egocentrism Engendering Self Abatement. CRMD is an Oxford style Debate competition and has always been lauded by people who have witnessed it. Teams from across India eagerly wait to bag the prestigious trophy with their debating Prowess.

- **Co-coordinator of CRMD 2018** – A national level event.

Fr Conceicao Rodrigues Memorial Debate (CRMD) , was held on 28 and 29 September, 2018. 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. The **theme of the** national level debate competition was “**Hegemony of Moral Absolutism**”. A total of 32 teams participated on day 1. The day ended with 8 quarter finalists for day 2. Day 2 started with the clash of the quarter finalists followed by two exciting semifinals. We finally witnessed the much awaited finale with absolute enthusiasm all around.

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

The most awaited festival of fun, music, drama and dance called Euphoria was held from 31 st January 2018 to 2 nd February 2018 with the theme “Viva-la-vida“ which means Live your Life . This 3 day long festival give an opportunity to the students to showcase their talents in various fields like literature, personality, gaming, performing arts etc. The first day was for students to enjoy the different activities in college. The second day witnessed the inter college dance competition “Paridhan” and also the Intra College fashion show in St. Andrews auditorium, Bandra. The final day was at YashwantraoNatyaMandir, Matunga. On this day we had a number of activities like the annual day for felicitation of academic achievers, intra college dance completion, drama, band and the finals of Mr and Ms CRCE followed by prize distribution.

- **In-charge of timetable committee 16-17**

Prepared timetable for both the semester

- **Department placement in-charge 14-15 and 15-16**

Major Role: 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

- Organized ISTE approved STTP and FDP

- In-charge of Technical Committee of International Conference on Advances in Communication and Computing

- Identify the weak points of students

In regular interval, identify weak students using tools such as test, quiz, Module test and assignment. Provide 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

MINOR RESEARCH GRANT PROJECTS:

1. Smart Children Safety system in school bus Transport using RFID and Android funded by University of Mumbai with amount of Rs 20,000/- in the year 16-17.
 2. Smart Green House using IOT funded by University of Mumbai with amount of Rs 25,000 in the year 16-17.
 3. Smart Wearable watch for senior citizens using Internet of Things (IOT) funded by University of Mumbai with amount of Rs 30,000/- in the year 17-18.
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PUBLICATIONS

- Dr. H. B. Kekre, Dr.Tanuja Sarode, Dr. Sudeep Thepade, Mrs.Supriya Kamoji “Performance Analysis of Vector Quantization Algorithms Linde Buzo and Gray Algorithm and Kekre’s Fast Search Algorithm for Colorization of grayscale Images”9 Jul 2011

- Dr. H. B. Kekre, Dr.Tanuja Sarode, Dr. Sudeep D. Thepade, Mrs. Supriya Kamoji “Analysing Assorted Window Sizes with LBG and KPE Codebook Generation Techniques for Grayscale Image Colorization” 6 Jun 2011
- Ms. Dipali Koshti and Ms. Supriya Kamoji, “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, Sep 2011
- Ms. Supriya Kamoji and Ms. Dipali Koshti“, Study of Cache Management Algorithms”, International Journal of Computer Science and Technology (IJCST). Oct . - Dec. 2011
- Performance Comparison of Various Pixel Window Sizes for Colorization of Grayscale Images using LBG, KPE, KFCG and KEVR inKekre’s LUV Color Space Dr. H. B. Kekre, Dr.Tanuja Sarode, Dr. Sudeep D. Thepade, Mrs. Supriya Kamoji IJEAT Dec 2011
- Evaluation of Students Performance Based on Formative Assessment in IJCA April 2013
- Key frame extraction for video summarization using motion activity descriptors IJRET Mar-2014
- Dynamic Vehicle Traffic Management System IJRET, April 2015
- Sentimental Analysis of twitter data IJARCSSE, May 2017
- Prediction of Tourism flow in India using LSTM model , Journal of Emerging Technologies and Innovative Research JETIR, May 2019, Volume 6, Issue 5. ISSN: 2349-5162DOI: <http://doi.one/10.1729/Journal.20564>
- **Prediction of Cardio Vascular Disease-** a review Publication International Journal of Research in Applied Science & Emerging Technology , April 2019Volume 5, issue 4.

Certification Courses:

NPTEL courses organized by IIT

1. Cloud Computing
2. Enhancing Personality and Soft Skill
3. NPTEL Course On data mining

Training Courses Attended:

- ISTE Approved STTP on Pedagogy for effective Integration of Information and Communication Technology in engineering Education at Shah and Anchor Kutchhi College of engineering from

03/05/2018 to 8/05/2018.

- ISTE Approved STTP on “Bioinformatics: Emerging Research Trends and Applications:” at KJSCE, Vidyavihar from 27-06-2017 to 01/07/2017.
- ISTE approved STTP on Internet of Technologies at Fr. CRCE from 27/06/2016 to 2/07/2016.
- ISTE approved STTP on Advanced Internet Technologies at IT Department, Fr. CRCE, Mumbai from 5/01/2015 to 9/01/2015.

AREAS OF INTEREST

- Computer Organization and Architecture
 - Digital Image Processing
 - Soft Computing
 - Internet Of Things
 - Machine Learning
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CONTRIBUTORY EFFORTS

- Organizing seminars, workshops, etc (coordinator, committee member, etc)
Program Title: Perl and Python
Duration: Two Days
Dates: 12th and 13th January 2018
Audience: Faculties
Type: Faculty Development Programme
Admin Role: Registration Committee
- Program Title: R - Programming
Duration: Two Days
Dates: 5th -6th August 2016
Audience: Faculties
Type: Faculty Development Programme
Admin Role: Co-ordinator
- Program Title: Internet of Technologies
Duration: One Week
Dates: 27th June to 2nd July 2016
Audience: Faculties and M.E. Students
Type: ISTE Approved STTP
Admin Role: Venue Arrangement
- Program Title: Digital Forensic: Open Source tools
Duration: Two days
Dates: 29-30th Jan 2016

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| Audience: | Faculties and M.E. Students |
| Type: | FDP |
| Admin Role: | Food Arrangement |
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| • Program Title: | Digital Forensic |
| Duration: | One week |
| Dates: | 11 – 15 November 2014 |
| Audience: | Faculties and M.E. Students |
| Type: | ISTE Approved STTP |
| Admin Role: | Co-ordinator |

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| • Program Title: | Research Problems in Computer Science & Information Technology |
| Duration: | 1 Day |
| Dates: | August 31st , 2013 |
| Audience: | PhD students, M.E. students , Faculties |
| Type: | Workshop |
| Admin Role: | Certificate Distribution Committee |

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| • Program Title: | EJB and Collections |
| Duration: | 2 Days |
| Dates: | 24-25 August 2012 |
| Audience: | B.E. students , Faculties |
| Type: | Workshop |
| Admin Role: | Registration Committee |

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| • Program Title: | Research Career-Success and Survival Tips |
| Duration: | 2 Days |
| Dates: | 11th & 12th March 2011 |
| Audience: | Ph.D students, M.E. students , Faculties |
| Type: | FDP |
| Admin Role: | Co-ordinator |