

MS. DIPALI YOGESH KOSHTI

Assistant Professor

Department of Computer Engineering
Fr. Conceicao Rodrigues College of Engineering
Bandra, Mumbai-400050
(Mobile : 09819151054)
Email: dipalis@fragnel.edu.in

OBJECTIVES:

Seeking opportunities to take up more research projects, consultancy projects and making use of the acquired knowledge for excelling in teaching and guiding students.

PROFESSIONAL EXPERIENCE:

Total Teaching Experience : 14 years

2005 –till Date Fr. Conceicao Rodrigues College of Engineering, Mumbai

Designation: 2008-Till date : Assistant professor

2005 – 2008 : Lecturer

Jan-2004 to July-2005: Vidyalkar Poly technique college, Wadala

Designation : Lecturer

June-2002 to Jan 2004 BabasahebGawde institute of Technology

Designation: Lecturer

EDUCATIONAL QUALIFICATIONS:

- **2008 – 2010**
M.E (Computer Engineering) from TSEC,Mumbai University. (*First Class with Distinction*)
- **1996 – 2000**
B.E (Computer Engineering) from M.S. University , Baroda. (First Class)
- **Additional Qualification:**
CCNA Certified, Exam Series - 640-607 score 910/1000 (91%)

ADMINISTRATIVE RESPONSIBILITIES:

1. **Project coordinator** for the period 2010 to 2015
2. **Examination coordinator** for the period 2016 To 2018
3. **Coordinator** of Cultural Festival – EUPHORIA in the year 2016-17, 2018-19, 2019-20
4. **Convener** of College Magazine - FRAGMAG Team in the year 2017-18
5. **Coordinator – Program Committee** - International Conference ICAC3'19
6. **Contact Co-chair** – International Conference ICAC3'17
7. **Coordinator – Purchase committee** in ICAC3'17
8. **Coordinated** one week **STTP** on “Internet of Things” from 27th June to 1st July 2016.
9. **Coordinated** Two day **FDP** on Perl and Python , 12-13 January 2018.
10. **Coordinated** Two day **FDP** on “Android Programming” on 30,31 August 2019.

RESEARCH GRANTS:

Mumbai University Granted projects under Minor Research Grant (MRG) scheme:

1. **Project Title:** Smart Green House using Internet of Things
Role: Principal investigator
Amount Granted: 25000/-
Year: 2016-17
Status: Completed
2. **Project Title:** Smart Children safety in school bus transport using RFID and Android
Role: Co-investigator
Amount Granted: 20000/-
Year: 2016-17
Status: Completed
3. **Project Title:** Smart Wearable for senior citizens using Internet of Things(IOT)
Role: Co-investigator
Amount Granted: 30000/-
Year: 2017-18
Status: Completed

Bennett University's Deep Learning and AI initiative project:

CRCE has been selected as one of the **zonal lead partners** for the nation-wide initiative on AI skilling and research taken up by the Bennett University. I am one of the 5 faculties who is working on Research project " Smart Agro Solutions".

Project Title: Smart Agro Solutions

Duration: 2 Years (July 2018 To July 2020)

Status: In progress

PUBLICATIONS:

Publications in International/national level Journals/ Conferences:

1. Dipali Koshti, Scarlet Lopes," Prediction of tourism flow in India Using LSTM Model", JETIR, Volume 5, Issue5, May 2019.DOI: <http://doi.one/10.1729/Journal.20564>,ISSN: 2349-5162.
2. Ashish B. Nair, Ishita M. Raut, Sangeeta Joseph, **Prof. DipaliKoshti**,"Content Retrieval and Protection of Smart Phone through Remote Access", International Journal of Engineering and Technical Research, ISSN: 2321-0869, Volume-3, Issue-4, April 2015.
3. Saurabh V. Joshi, Ajinkya A. Bokil, Nikhil A. Jain, **DipaliKoshti**," Image Steganography : Combination of Spatial and Frequency Domain", International Journal of Computer Application(IJCA),November 20, 2012,Volume 53 - Number [**d.o.i-10.5120/8419-1319**]

4. Dr. H. B. Kekre, Archana B. Patankar and **DipaliKoshti**, “Performance Comparison of Simple Orthogonal Transforms and Wavelet Transforms for Image Steganography. International Journal of Computer Applications,44(6):21-28, April 2012. [d.o.i - 10.5120/6267-8422]
5. Ms. SupriyaKamoji and **Ms. DipaliKoshti**“, Study of Cache Management Algorithms”, International Journal of Computer Science and Technology (IJCST),Vol. 2, Issue 4, Oct . - Dec. 2011. [ISSN 0976-8491 (online) | ISSN2229-4333(print)]
6. **Ms. Dipali Koshti** and Ms. SupriyaKamoji, “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
7. Dr. H.B. Kekre, ArchanaAthawale and **DipaliSadavarti** , “ Algorithm to GenerarteKekre’s Wavelet Transform from Kekre’s Transform “, International Journal of Engineering Science and Technology (IJEST) Vol. 2 (4), June 2010, pp: 756-767.ISSN 097.
8. Dr. H. B. Kekre, Archana Athawale & **DipaliSadavarti**, “Algorithm to Generate Wavelet Transform from an Orthogonal Transform”, International Journal of Image Processing (IJIP) ,Vol. 4, Issue 4, pp : 444 - 455, October-2010.
9. Dr. H.B. Kekre, Ms. ArchanaAthawale and **DipaliSadavarti**,”A Novel Steganographic Scheme Using Discrete Sine Transform based upon Energy Distribution”, International conference on contours of computing technology, Thinkquest-2010, held on 13th, 14 February 2010.

BOOKS AUTHORED:

S.N.	Title of the Book	Publisher	ISSN/ISBN No.	Year of Publications
1	Soft Computing, (B.E. Computer)	Tech-Max Publication, Pune	ISBN: 978-93-5077-452-6	October 2015
2	Soft Computing, (B.E. IT)	Tech-Max Publication, Pune	ISBN: 978-93-5224-219-1	March 2016
3	Mobile Communication and Computing (Third Year Computer Engineering)	Tech-Max Publication, Pune	ISBN: 978-93-5077-035-1	January 2016
4	Soft Computing and Optimization Algorithms (Sawitri Bai Phule Pune University)	Tech-Max Publication, Pune	ISBN: 978-93-88723-64-0	February 2019
5	Artificial Intelligence And Soft Computing for Compute Engineering	TECHNOWLEDGE Publication		January - 2019
6	Neural Network and Fuzzy Logic for Electronic Engineering	TECHNOWLEDGE Publication		October -2019

CERTIFICATION COURSES

1. 12 weeks NPTEL Certification course on “Introduction to IoT”, APRIL 2018 (Score 75%)
2. 8 Weeks NPTEL Certification course on “Introduction to Human Computer Interaction”, APRIL 2018 (Score 75%)
3. 8 week NPTEL Certification course on “Machine Learning”, Oct 2018 (Score 64%)
4. 12 week NPTEL Certification course on “Social Networking”, Oct 2018

TRAINING COURSES ATTENDED:

ISTE APPROVED STTP:

Sr. No	Name of course/Summer School/winter school	Place	Duration
1	ISTE approved STTP on “Pedagogy for Effective Integration of ICT in Engineering Education”	Shah & Anchor Kutchhi College of Engineering, Chembur	1 week (3 rd May To 8 th May 2018)
2	ISTE approved STTP on “Bio Informatics: Emerging Research and Applications”	KJS, VidyaVihar, Mumbai	1 week (27-Jun-2017 To 3-July 2017)
3	ISTE approved STTP on Digital Forensic”	FR. CRCE., Bandra, Mumbai	1 Week (11-Nov-2014 To 15-Nov-2014)
4	ISTE approved 1 week STTP on "3G Technology".	NMIMS, VileParle from.	1 week (10-5-2011 to 14-5-2011)
5	ISTE approved 2 week STTP on "Advanced Parallel Computing" organized by	D.J. Sanghvi college of engineering, Vileparle	2 weeks (7th-18th Jan,2008)
6	ISTE approved 2 week STTP on "UML 2"	FrCRCE, Bandra	18th - 29th June, 2006

INDUSTRIAL TRAININGS:

Sr. No	Name of course/Summer School/winter school	Place	Duration
1	Industrial training on “ Practical Implementation of Agile methodologies”	SWQA SOLUTIONS ,Vile Parle, Mumbai	4 weeks (01-Jun-2014 To 27-Jun-2014)
2	Training on “ Android Development “	MIKADO SOLUTIONS., Thane (west)	2 weeks (9-Dec-2013 To 22-Dec-2013)

FDP/Workshops attended:

1. 3 day workshop on "AI and Deep learning" organized by CRCE in association with Bennett university and NVIDIA on 21 to 23 July 2018.
2. Faculty Development program on "Stress Management And Yoga for Healthy Life" organized by Department of Computer Engineering and Information Technology, CRCE, Bandra on 3rd and 4th February 2017
3. Two day Faculty Development program on "R Programming" organized by Department of Computer Engineering and Information Technology, CRCE, on 5th,6th August 2016.
4. One day workshop on "Research Topics in Computer Science and Information Technology" on 31st August 2013, organized by department of Computer Engineering, Fr.C.R.C.E, Bandra.
5. 3 Day workkshop on "Sturts 2.0 web Application Framework" organized by Computer Engineering dept. of Fr. C.R.C.E. Bandra from 17th March to 19th March 2012.

AREA OF INTEREST:

1. Mobile Computing
2. Soft Computing
3. Computer Networks
4. Human Computer Interaction
5. Machine Learning
6. Deep Learning

INTERACTION WITH OUTSIDE WORLD:

- Resource person for expert lecture on "IP addressing and Subnetting" on 19th October 2019, in K. J. Somaiya Polytechnique, VidyaVihar
- Resource person for FDP on "Machine Learning" in Shah and Anchor Kutchhi college of Engg, organized on 2nd and 16th march, 2019.
- Resource person for expert lecture on " Neural Networks" at Vidyavardhini's College of Engineering and Technology, Vasai for final year I.T. students on 19th September, 2016.
- Reviewer for International Conference on Technologies for Sustainable Development (ICTSD), 2015.
- Reviewer for ICAC3'15 International conference on Computing Communication and Control , 2015.

UNIVERSITY APPROVAL: UG – CONCOL/SA/4155/2009