

Mrs. Ashwini Amit Pansare

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WORK EXPERIENCE

- Working as Assistant Professor in Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai
- Worked as a lecturer in KC College of Engineering in Thane, Mumbai in year 2003-04

EDUCATIONAL QUALIFICATION

Qualification	Year	College/university
Pursuing Ph.D in Computer Engineering	2021-2022	Parul University, Vadodara, Gujarat
M.E.(Computer Engineering)	2009-2012	Thadomal sahani college of Engineering, Bandra, Mumbai
B.E.(InformationTechnology)	1999 – 2003	Padmabhushan Vasantdada Patil Pratishthan College Of Engineering ,Sion, Mumbai

PUBLICATIONS

1. Shubham Ojha, Glenn Mendonca, Glen Rodrigues, Kranti Wagle, Ashwini Pansare “Enhancing Stock Market Predictions with a Stacked CNN-LSTM Ensemble Model”, Journal of Electrical Systems, J. Electrical Systems 20-10s (2024), ISSN: 3828-3840
2. Syed Irfan Amjad Abidi, Alan Anthony Almeida, Lance Garrick Soares, Ashwini Pansare, “Tokenizing The Future: Advancing Asset Management With Blockchain “, Journal of Harbin Engineering University, ISSN: 1006-7043, Vol 44 No. 9, September 2023
3. Upmanyu Jha, Abde Abitali Merchant, Kranti Wagle, Ashwini Pansare, “Revolutionizing E-Commerce Warranty Management with NON-FUNGIBLE TOKENS (NFTs), Tuijin Jishu/Journal of Propulsion Technology, Vol 44. No. 4., 2023
4. Ashwini Pansare, Sanath Shetty, Ganesh Reddy, Princely Lopes “Cyberbullying Detection System “, 4th International Conference on Smart and Sustainable Developments in Engineering and Technology (PICET 2022) AIP publishing, May 2022.
5. A. Pansare, S. I. Amjad Abidi, A. A. Almeida, L. G. Soares and, "Interactive Map Application For Real-Time Crime Reporting," 2021 International Conference on Advances in Computing, Communication, and Control (ICAC3), 2021, pp. 1-8, doi: 10.1109/ICAC353642.2021.9697179.

6. Ashwini Pansare, Leesa Menezes, Emmima G, Simran Bindra, " Early stage stroke prediction "2021 IEEE 2nd Global Conference for Advancement in Technology (GCAT) Bangalore, India. Oct 1-3, 2021
7. Ashwini Pansare, Ariane Correa, Kaustubh shetty, Reyna Binni", " An automated Image caption generator for the visually Impaired" ,2021 IEEE 2nd Global Conference for Advancement in Technology (GCAT) Bangalore, India. Oct 1-3, 2021
8. Ashwini Pansare, Simran Gadkari, Jnnell Mathians , merlin P, " categorization of diabetic retinopathy and identification of characteristics to assist effective diagnosis" in 3 rd IEEE international conference on " Emerging smart computing nad informatics" on 5th-7 th March 2021
9. Simran Gadkari , Jenell Mathias , Ashwini Pansare "Analysis of Pre-Trained Convolutional Neural Networks to Build a Flower Classification System ",International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653, Volume 7,Issue XI, November 2019
10. Pradnya Borkar, Merilyn Pulintitha, Ashwini Pansare , "Match Pose - A System for Comparing Poses "International Journal of Engineering Research & Technology (IJERT) , International Journal of Engineering Research & Technology ,ISSN: 2278-0181,Vol. 8 Issue 10, October-2019
11. Mufaddal Haidermota,Drishit Mitra ,Mrs.Ashwini Pansare "Classifying Twitter user as a bot or not"International Journal of Advanced Research in Computer Science, Volume 9,No 3,May-June 2018, **DOI:10.26483/ijarcs.v9i3.5949**
12. Mrs. AshwiniPansare,Mrs.MonaliShetty "Mood detection based on facial expressions", International Journal of Engineering Trends and Technology"volume 48, 4-June 2017, **DOI:10.14445/22315381/IJETT-V48P236**
13. Mrs. Ashwini Pansare,Purva Sakharkar,Shailesh Fasale and Pawan Soni "GIS Based Tourist Management System", International Journal of Advanced Research in Computer and Communication Engineering Vol. 5, Issue 5, May 2016, **DOI 10.17148/IJARCC.2016.5507**
14. Mrs. Ashwini Pansare " A Review of AODV Based Routing Protocols for Mobile Ad-hoc Network ", International Journal of Advanced Research in Computer Science, volume 4,NO 9, July –August 2013
15. Mrs. Ashwini Pansare and Shalini Bhatia "Off-line Signature Verification Using Neural Network",International Journal of Scientific & Engineering Research, Volume 3,Issue 2, February-2012
16. Mrs. Ashwini Pansare and Shalini Bhatia. "Handwritten Signature Verification using Neural Network" , International Journal of Applied Information Systems , January 2012.

Books Published

Published BOOK on “STRUCTURED PROGRAMMING APPROACH”, Mumbai University, FE ENGINEERING ,SEM-2 along with Co author Mrs. Monali Shetty

RESEARCH PROJECTS UNDERTAKEN

- K yantra E-FSI project from march 2019
- Benett University project “E-krisi Saurakshak “ from July 2018
- Completed AICTE approved Minor Research Grant Project “Intelligent waste collector” , year 2018-19
- Minor Research Grant proposal “ speaking Medication reminder system using IOT” submitted in year 16-17

RESEARCH PROPOSALS SUBMITTED

- Benett university and AICTE approved research project on “segmenting satellite images for detection of road, buildings,natural resources“ submitted in year 17-18
- Research proposal on “safe car” submitted to FR. CRCE, institute in year 17-18
- Minor Research Grant proposal “ speaking Medication reminder system using IOT” submitted in year 16-17

AREA OF INTEREST

- Machine learning and Deep learning
- Data structures and Analysis of Algorithms
- Software engineering
- Computer organization and architecture
- Programming subjects C,C++,java,Python
- Web Technology
- Microprocessor

INTERACTION WITH OUTSIDE WORLD

- Paper setting at DJ Sanghvi College of Engineering for subject “Data structure and Analysis” , Second Year Information Technology in academic term July – Nov 2019
- Paper setting at DJ Sanghvi College of Engineering for subject “ operating system” Second Year Information Technology in academic term July – Nov 2019
- reviewed research papers in International conference on Computing, Communication and control organized at Fr. CRCE on 1-2 December 2017

COURSES TAUGHT

- Software Engineering
- Structured Programming Approach
- Data Structures
- Analysis of Algorithms
- Web Technology
- Java , Python
- Digital Logic Design and Application
- Operating System

- Microprocessor
- Advanced Microprocessor
- Computer organization and architecture

NPTEL COURSES COMPLETED

- 8 WEEK NPTEL course on “Design and Analysis of Algorithms” conducted from 24-July 2017 to 15-Sep 2017
- One of the top 5% candidate in 8 WEEK NPTEL course on “Programming data structures and Algorithms using C” conducted from 24-July 2017 to 15-Sep 2017
- 8 week NPTEL course on “Data Mining” conducted from February –April 2019.
- 12 weeks NPTEL course on “Social Networks” conducted from January –April 2019.

STTP/FDP ATTENDED

- Advanced innovation Ambassador training program by MOE’s Innovation cell and AICTE, from 1 st Aug- 31 Aug 2022 of 30 contact hours.
- One Month Innovation Ambassador Training Program by MOE’s Innovation cell and AICTE, 30th June-30th July 2021
- ATAL FDP ON EMERGING TRENDS IN AREA OF DATA SCIENCE AT INSTITUTE OF ENGINEERING AND TECHNOLOGY, MJP ROHILKHAND UNIVERSITY, 12 TH NOV 2021 TO 16 TH NOVEMBER 2021, INSTITUTE OF ENGINEERING AND TECHNOLOGY, MJP ROHILKHAND UNIVERSITY.
- IQAC based FDP on “Trends in Machine learning and data science” organized by Lokmanya Tilak COE, 28 th-30 th June 2021
- FDP on “Essentials of Linux System Administration” , Fr.Coceicao Rodrigues College of Engineering on 16-17 April, 2021
- Webinar on docker organized by Lokmanya Tilak COE, 8 th June 2020 Mumbai
- Webinar on " Teaching Tools and Tips" by Bennett University on 17 th July 2020
- One week STTP on “ Data Science“ organized by Fr.Coceicao Rodrigues College of Engineering, 26th May-30th May,2020
- NPTEL course on " Machine Learning" 12 week (Jan-April 20)
- Four weeks Coursera course on “Neural network and deep learning”, (August 2020)
- Three week Coursera course on “Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, August 2020
- One week Webinar series on “Machine Learning and Artificial Intelligence “organized by SPIT , IEEE Bombay section and IEEE-WIE, May 2020
- Webinar on " Teaching Tools and Tips" organized by Bennett University, 17 th July 2020
- One week “Advanced Deep Learning Workshop “ organized by Fr. CRCE initiated by IQAC in association with Leadingindia.ai and industry partners NVIDIA from 2nd Dec-6 th Dec 2019
- One week workshop on “Artificial Intelligence and Deep Learning” conducted by Benett university at FR. CRCE from 21st July-23rd July 2018
- Attended FDP on “Machine learning and Block chain” organized by computer department in August 2018
- Attended session on virtual labs organized by Electronics department in collaboration with IIT in 2018

- AICTE-ISTE approved STTP on” pedagogy for effective Integration of Information and Communication Technologies(ICT) “ organized at Shah and Anchor COE, Mumbai from 3rd May 2018-8th May 2018
- ISTE approved STTP on “Internet Of Things “organized at Fr. CRCE, Mumbai from 27 th June-1 July 2016
- D-Link Training on Wireless LAN at Fr. CRCE,Mumbai in July 2016
- FDP on “Experiential Learning: Project Management” by TCS on 11th January 2018
- ISTE approved STTP by Wipro Mission 10X advanced course organized at Fr. CRCE,Mumbai
- ISTE approved STTP on “ High Impact Teaching Skills” by Wipro Mission 10X organized at Fr. CRCE, Mumbai from 1-5 August 2011
- ISTE approved STTP on “Object oriented as a problem solving and research methodologies “organized at TSEC, Mumbai from 12-24 Dec 2011
- ISTE approved STTP on “Advanced Internet Technologies” organized at Fr. CRCE, Mumbai 18-22 July 2011
- Two days FDP on “Digital Forensic:Open Source Tools” organized at Fr.CRCE,Bandra from 29-30 Jan 2016
- FDP on “HADOOP” organized at Fr.CRCE,Bandra in collaboration with TCS 23-24 Aug 2013
- FDP on “Introduction to Geometric Algorithm” organized at Fr.CRCE,Bandra in collaboration with TCS 22-23 July 2008

DEPARTMENTAL KEY RESPONSIBILITIES

- Working as IIC vice President from year 19-20
- Worked as Coordinator for College cultural function Euphoria in year 19-20 and 18-19
- Worked as Technical committee member of International conference ICAC3 in DEC 2019-20
- Worked In NBA and NAAC accreditation Committee
- Faculty in charge for Computer society of India (CSI) from year 18-19 till date.
- Coordinator for second year Project based learning in year 18-19
- Departmental Project coordinator for year 17-18 and 16-17
- Departmental Placement Coordinator for year 14-15 and 17-18
- Timetable committee in charge from year 2008 till 2014
- In charge of Departmental Faculty Seminar from year 2008 till 2014
- Worked as a Class Teacher every year

CONTRIBUTORY EFFORTS

- Coordinator for SDP on “ grooming students for placement “ on may 2020
- Coordinator of two days FDP on “**Android Programming**” on 30th& 31st August 2019
- Coordinator of two days FDP on “**Perl and Python**” on 12-13 January 2018
- Coordinator of one week STTP on “**Digital Forensic**” on 11 – 15 November 2014
- Coordinator of two days FDP on “**Ethical hacking and Network Security**” on 26th& 27th August 2011
- Coordinator of two days FDP on “**EJB and Collections**” on 24-25 August 2012
- Member of organizing committee of one week STTP on “**Internet of Things**” on 27 June-1 July 2016
- Member of organizing committee of FDP on “**Research Problems in Computer Science and Information Technology** “ organized on August 31st, 2013

PROJECTS GUIDED

2021-22

- XAI for Self driving cars
- Assistive System for Driverless cars
- Real time gesture recognition System
- Blockchain Implementation for Asset Management
- Generating images using GAN

2020-21

- Early stage stroke prediction
- Automated Image captioner for visually challenged
- Image based Cyber bully detection system
- Interactive real time crime reporting
- Face recognition from CCTV footages

2019-20

- Categorization of diabetic retinopathy and identification of characteristics to assist effective diagnosis
- Pothole detection system using mobile sensors

2018-19

- 2D/3D pose estimation using Pose net
- Security in IOT infrastructure

2017-18

- Detection of bots on twitter
- Disease prediction using symptoms

2016-17

- Mood detection based on facial expressions
- System for mute people

2015-16

- GIS based Tourism
- E attendance manager system using face recognition

2014-15

- Android Travel Mate

2013-14

- Mobile recharge through SMS
- Face recognition system

MEMBERSHIP OF SOCIETIES

- ISTE Membership joined in 2011

University Approval: UG – CONCOL/SA/4155/2009 dt.01/10/09

