FACULTY PROFILE

Dr. Kavita Vinay Sonawane (kavitasonawane@sfitengg.org)

Professor
Computer Engineering Department

❖ Date of Joining the Institute : **25/06/2005**

❖ Education :

1. Ph.D. Computer Engineering
   MPSTME, NMIMS University, Mumbai 2015
   Research Topic: Bins Approach To Content based Image retrieval

2. M.E Computer Engineering
   Thadomal Shahani Engg. College, Mumbai Univ. 2008
   Dissertation Title: Retrieval of Images Based on Contents

3. B.E. Computer Engineering
   M.I.E.T, Gondia, Nagpur Univ 2001
   Project: E commerce Website

❖ Total Experience in Years : **14 years , 6 months (Till date)**

  A. Teaching : **14 Years .6months**
  ▪ Professor : 6 Months
  ▪ Associate Professor: 4 years
  ▪ Assistant professor: 5 years
  ▪ Lecturer: 5 years

❖ Courses Taught:
  ▪ Digital Image processing, Software Engineering (UG Level)
  ▪ Structured and Object Oriented Analysis and Design (UG Level)
  ▪ Object Oriented Software Engineering (UG Level)
  ▪ Digital Forensics (UG Level)
  ▪ Parallel Computing and Cyber Security (PG Level)
  ▪ Computer Organization & Architecture and Data Structures(UG Level)
  ▪ Neural Network and Fuzzy logic and Operating system (UG Level)

❖ Skill Sets:
- Programming Language: C, C++, Java, Matlab
- Database : Microsoft Access 2000, SQL
  Tools: MS-office, Rational Rose(UML), MS Project.

❖ Active Research in
- Image processing and Image analysis, Image Retrieval, Image Recognition
- Software Engineering,

❖ Publication & Conferences : **(Till Date)**

a. Conference

National   : **02**
International : **07**

b. Journal

National   : 0
International : **26**

❖ Books Published : **01 (Till Date)**
Title " Retrieval of Images from Database Based on Contents"
Publisher: LAP Lambert Academic Publishing , Date: 6th Feb 2014

❖ Professional Memberships: **ISTE Life membership (M. No. LM 61601)**

❖ Service to Professional Bodies:
- Coordinator-SFIT-ISTE (Year 2008)

❖ Projects Guided :
- M.E Project: : 5 Projects guided in the field of mobile Security, Big Data analysis, Pollution Control through image processing and Fuzzy logic.
- B.E Project: More than 24 projects in image processing/ pattern recognition/ neural network and Security areas.

❖ Academic Duties:
- Executing responsibilities as Head of the Computer Engg. Department at SFIT.
- NBA Departmental coordinator: SFIT, Mumbai
- Subject Expert for Ph.D. Selection Process and Proposal Evaluations, SFIT, Mumbai
- Member of R and D Core Committee : SFIT, Mumbai
- Member of Editorial Board of College Technical magazine " Sanshodhan".
- Member of various Administrative Committees (Time- Table, National Event Organizing, Literary committee, Exam Committee, Discipline committee and Sports Committee) at SFIT, Mumbai

❖ Interaction with Professional Institutions :
- University of Mumbai as Examiner and Moderator
- University of Mumbai as Paper Setter
- NMIMS University as Examiner and Moderator and Paper setter
- NMIMS University as Reviewer for M.Tech/ B.Tech Project Competitions
- Interview Panelist at NMIMS, Mumbai

❖ R&D Activities:

A. Workshop, lecture series & Conferences Conducted:

- **Reviewer, Hospitality Convener** for IEEE Sponsored International Conference CSCITA-2017, SFIT
- **Session Chair for** International Conference ICIATE-2017 Atharva College of Engg. Mumbai
- **Resource Person** at Faculty Induction Program-2016, SFIT
- **Resource Person** for Ph. D Course work at SFIT, August 2015.
- Co-ordinator and Resource Person at Faculty Induction Program-2015, SFIT
- **Reviewer** for IEEE Sponsored International Conference CSCITA- 2014, SFIT
- **Reviewer** for IEEE Sponsored International Conference on Advances in Technology and Engineering (ICATE) – 2013
- **Reviewer** for International Conference & Workshop On Electronics And Telecommunication Engineering 2012
- **Session Chair** for Image Processing Track at International Conference & Workshop On Electronics And Telecommunication Engineering 2012
- Organization of ISTE approved one week STTP- " Image Processing Applications –Basics to Advance 2010" at SFIT Mumbai, Jan 2010.
  > **Role: 1. Coordinator**
  > **Role: 2. Resource Person for Topic: CBIR and Matlab Overview**

- Organization of state Level Paper Presentation "SPIRIT- 2005" at Godavari College of Engg. Jalgaon,   North Maharashtra UNIV.
  > **Role1: Co- Coordinator of the event**
  > **Role2: Reviewer**

B. Continuing Education Programs

- 2- Days Workshop on "Digital Forensics" at Fr.CRE, Bandra
- TWO - WEEK ISTE Short Term Training Programme (STTP) on Pedagogy for Effective use of ICT in Engineering Education, January 2015.
- Two-week ISTE workshop on "Cyber Security" under National Mission on Education Through ICT(MHRD, Govt. of India) conducted by IIT Bombay. 10th July to 20th July 2014.
- 2-DAY ISTE WORKSHOP on "Research Methods In Educational Technology", June 2013.
- Two-week ISTE (Main workshop) on " Introduction to Research Methodologies" under National Mission on Education Through ICT(MHRD, Govt. of India) conducted by IIT Bombay. June 2012.
- I.S.T.E approved S.T.T.P on "Developing managerial Skills for Senior Technical academicians (Disha- 09)". SFIT, Mumbai. 5th – 9th Jan 2009.