



Sinhgad Technical Education Society's

Sinhgad College of Engineering
Vadgaon (Budruk) Off. Sinhgad Road, S.No. 44/1,



Asst. Professor Makrand Narhar Kakatkar

BE ENTC

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Significant Achievement

- Course on Embedded systems and Robotics Conducted course for T. (E &TC) Students during year 2011-12 and year 2012-13 for revenue generation.
- Embedded System Design Worked as Co- Coordinator for the S.T.T.P. and received Appreciation Letter.
- S.D.P. on 'Advanced Digital Signal Processing' Worked as Co-Coordinator for AICTE Sponsored Staff Development Program
- F.D.P. on Embedded Image Processing Organised under TEQIP and IEEE, Pune section as Coordinator
- IEEE Student Awareness Competition Organised as Coordinator for IEEE, Pune Section activity
- INTEL- FICE Certification Program Expert- Guide for organising INTEL-FICE Certification Program
- Participated in "Avishkar" Competition Participated in Zonal level and shortlisted upto University Level
- Resource Person at Japanese Corporate Training at S.I.OM. Corporate Training OF Japanese candidate was conducted at S.I.OM. in collaboration with Softbridge
- Counselor for M.Tech. (Mechanical) Organised by IGNOU Department of Mechanical organised M. Tech (Mechanical) for External candidates. Working as Counselor for Instrumentation subject
- Task Based Training at eYantra Lab setup Completed the tasks in Task based training at eYantra to set up Robotics Lab Organised by IIT bOMBAY

Academic Qualification

Degree	Institute Name	University Name	Year of Passing	Percentage	Grade	Qualification Status
BE Electronics	Pravara Engineering College, Loni.	University of pune	1989	57.0%	B+	Completed
M. Tech. Electronics	CEDTI, Aurangabad	Dr. babasaheb ambedkar marathwada university	1999	68.8%	First Class with Distinction	Completed
PhD	Sinhgad College of Engineering, Pune-411041	University of pune	-	-	-	Pursuing

Conference Details

Name	Venue	Date	Level	Category	Type	Sponsored By
ITECH- 09	Amrutvahini College of Engineering, Sangamner.	04 Mar 2009 to 05 Mar 2009	International	Research		Amrutvahini College of Engineering, Sangamner
NCRT- 09	Sinhgad College of Engineering, Pune.	13 Mar 2009 to 15 Mar 2009	National	Research		Sinhgad College of Engineering, Pune.
ePGCON-2009	Sinhgad College of Engineering, Pune	25 Apr 2009 to 25 Apr 2009	National	Research		University of Pune
INNOVATION 12	M.A.E. Alandi, Pune	19 Mar 2012 to 20 Mar 2012	National	Research		Board of College and University Development Board

AVISHKAR 2009	Sinhgad College of Engineering, Pune.	14 Dec 2009 to 15 Dec 2009	National	Research		Board of College and University Development Board
INNOVATION 08	Sinhgad College of Engineering, Pune	17 Nov 2008 to 18 Nov 2008	National	Research		Board of College and University Development
E3C- Emerging Trends in Engineering	J. D. College of Engineering, Nagpur	09 Feb 2010 to 10 Feb 2010	National	Research		J. D. College of Engineering, Nagpur
INNOVATION-09	Sinhgad College of Engineering.	16 Dec 2009 to 17 Dec 2009	National	Research		University of Pune.
Research and Development in Engineering, ICRD-2013	G. K. Bharad Institute of Technology, Rajkot, Gujrath	07 Apr 2013 to 07 Apr 2013	International	Research		G. K. Bharad Institute of Technology, Rajkot, Gujrath
Research Symposium on Technology, Science.	Dnysagar Institute of Research, Pune.	15 Apr 2012 to 15 Apr 2012	International	Research		Research Symposium on Technology, Science.
Current Trends in Engineering, Technology-ICCTCMTCAT-2012	Deogiri College, Aurangabad	23 Mar 2012 to 25 Mar 2012	International	Research		Deogiri College, Aurangabad
National Symposium on Pervasive Computing	Sinhgad College of Engineering	15 Mar 2013 to 16 Mar 2013	National	Research		TEQIP
National Conference on Pervasive Computing	Sinhgad College of Engineering	09 Apr 2010 to 10 Apr 2010	National	Research		Self
Innovation-2010	Sinhgad College of Engineering	26 Oct 2010 to 27 Oct 2010	National	Research		University of Pune
IEEE Conference on Computational Intelligence	Vickram College of Engineering, Madurai	26 Dec 2013 to 28 Dec 2013	International	Research		IEEE Organisation
NCLTE- 2013	Sinhgad College of Engineering	23 Oct 2013 to 24 Oct 2013	National	Research		TEQIP
Avishkar 2013	Sinhgad Institute of Technology, Narhe	23 Dec 2013 to 23 Dec 2013	University of Pune	Research		University of Pune

Research Projects

Project name	Description	Status	Budget	Project type
Adaptive Fuzzy Neural Network Controller For A Class of Nonlinear Systems	Ph. D. Project in Control System Domain	In Process	300000	Academic Projects
Implementation of Mechatronics Systems	Speech activated Automotive systems is implemented as Mechatronics system successfully. The sanctioned budget was Rs. 50000/-	Completed	50000	Academic Projects

Research Papers and Journals

ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
2278-7798	Zigbee Based Wireless Patient Monitoring	2013	International Journal of Science, Engineering and Technology Research	Refereed Journal	Accepted and Published	Makrand Kakatkar
978-81-906220-8-0	System Integration Based on CANopen Protocol for Distributed Input/ Output Automation Systems	2013	International Conference on Research and Development in Engineering, Technology & Sciences	Conference - International level	Accepted and Published	Makrand Kakatkar
2250-2459	Real Time Control of Inverted Pendulum using FPGA	2012	International Journal of Emerging Technology and Advanced Engineering	Indexed Journal	Accepted and Published	Makrand Kakatkar
2278-991x	Physical Parameters Measurement of Seed with Image Analysis	2013	International Journal of Electronics and Communication Engineering	Journal - International level	Accepted and Published	Makrand Kakatkar
978-01-4507-8486-03	Virtual Compiler Speech Activated Control Systems	2011	CiiT International Journal of Programmable Devices Circuits and Systems	Journal - International level	Accepted and Published	Makrand Kakatkar
2249-7455	Hardware-Software Architecture for IP Streaming	2012	International Journal of Advances in Technology and Engineering	Journal - International level	Accepted and Published	Makrand Kakatkar
2249-7455	Internet Based Multimedia Streaming Model	2012	International Journal of Advances in Technology and Engineering Science	Journal - International level	Accepted and Published	Makrand Kakatkar
2278-9901	Color Image Discrimination Model For Gender Face Recognition	2014	International Journal of Electronics and Telecommunication Engineering	Journal - International level	Accepted and Published	Makrand Kakatkar
2320-3765	Intelligent Speed Adaption System using Pedal position sensor	2015	International Journal of Advance Research in Electronics Engineering	Journal - International level	Accepted and Published	Makrand Kakatkar
2321- 7308	Review of methods for Diabetic Retinopathy Detection and Severity Classification	2014	Volume 3, Issue 3, March 2014	Journal - International level	Accepted and Published	Makrand Kakatkar

978- 1- 4799-1594- 1	Real Time Feedback System for Walking Gait Analysis	2013	IEEE International Conference on Computational Intelligence and Computing Research	Conference-International level	Accepted and Published	Makrand Kakatkar
2320-3765	Implementation on FPGA Area-Delay Efficient Architecture of CSLA	2015	International Journal of Advanced Research in Electronics Engineering	Journal - International level	Accepted and Published	Makrand Kakatkar
2319- 7064	Area Efficient Architecture for 64 bit CSLA Using Sum and Carry Generation Unit	2015	International Journal of Science and Research	Journal - International level	Accepted and Published	Makrand Kakatkar
1-56592-871-7	Intelligent Automatic Door Opening System	2015	International Journal of Advance Foundation And Research In Science & Engineering (IJAFRSE) Volume 2 , July 2015.	Journal - International level	Accepted and Published	Makrand Kakatkar
ISSN : 2248-9622	Personal Handy System Based Online Vehicle Tracking With Mobile Locking	2014	Int. Journal of Engineering Research and Applications Vol. 4, Issue 8(Version 1), August 2014	Journal - International level	Accepted and Published	Makrand Kakatkar
ISSN: 2277-9655	DESIGN OF UNIVERSAL ACCESS USING RFID TAG: A REVIEW	2016	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY 2016, Page 764- 767	Journal - International level	Accepted and Published	Makrand Kakatkar
ISSN:2278-0181	Multiple Parameter Sensing for Home Automation	2016	International Journal of Engineering Research & Technology, Vol. 5 Issue 04, April-2016, PAGE:676- 679	Journal - International level	Accepted and Published	Makrand Kakatkar
ISSN: 2320-9798	IoT based Smart Home System for Monitoring Surrounding Condition	2016	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN COMPUTER AND COMMUNICATION ENGINEERING, Volume 4, Issue 6, June 2016, Page:1111-1117	Journal - International level	Accepted and Published	Makrand Kakatkar

ISSN:2320-9798	Design and Implementation of Universal Access Using Smart Card Based on IoT	2016	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN COMPUTER AND COMMUNICATION ENGINEERING, Volume 4, Issue 6, June 2016, Page no 1111-1117	Journal - International level	Accepted and Published	Makrand Kakatkar
ISSN (Online) 2278-1021	A Review on Remotely Monitoring a Car to Improve its Occupant Safety	2016	International Journal of Advanced Research in Computer and Communication Engineering Vol. 5, Issue 5, 2016, Page:541-543	Journal - International level	Accepted and Published	Makrand Kakatkar

Membership Details

Membership Body	Details	Duration	Level
Indian Society for Technical Education	Life Membership No.LM 10965	01 Jul 2014 to 31 Jul 2015	National

Post Held

Organization Name	Post	Organization Category	Appointment Status	Duration
Amrutvahini Polytechnic, Sangamner	Lecturer	EDUCATION INSTITUE	Full time and Permanent	Aug 26,1988 to Aug 01,2002
Amrutvahini Engineering College, Sangamner.	Lecturer	Engineering	Visiting lecturer	Aug 26,1988 to Jul 31,1992

Self Contribution

Organizational Development Contribution(2012-2013)			
Date	Venue	Contribution	Category
08,Feb - 08,Feb	Class room No.29, 30,31, Research Lab	Organised C coding competition " DaWin- C Code" .	Judge

Self Growth(2011-2012)			
Date	Venue	Contribution	Category
11,Oct	Sinhgad College of Engineering.	Registered for Ph. D. on Adaptive Fuzzy Neural Network for Class of Nonlinear Systems	Higher Education

Academic Development Contribution(2010-2011)			
Date	Venue	Contribution	Category
13,Jul	Mahashtra Academy of Engineering College	Member of Syllabus teaching methodology workshop	Member of Committee
07,Feb	Sinhgad Institute of Technology, Narhe	Member of Teaching Methodology Workshop for T.E.	Member of Committee

Student Development Contribution(2012-2013)			
Date	Venue	Contribution	Category
01,Aug - 30,Jun	Electronics and Telecommunication Department	Worked as IEEE Student Branch Counselor. Conducted Pune Section level competition " Student Awareness Contest". Also conducted some competitions and Conducted one workshop on Embedded Systems.	Chairman of committee
01,Aug - 30,Jun	Electronics and Telecommunication	Worked as ME E TESA Coordinator. Seminars were conducted from speakers like Dr. Ashok Prabhu, Dr.Mudholkar. Also conducted workshop on ARM Processors, LabView.	Member of Committee

Organizational Development Contribution(2015-2016)			
Date	Venue	Contribution	Category
04,Apr - 06,Apr	Seminar Hall	Organized Seminar on Software tools	Expert Session
18,Mar - 18,Mar	Seminar Hall	Conducted Paper Presentation Contest	Judge
12,Sep - 13,Sep	Seminar Hall	Staff Coordinator for organizing Workshop on "Arduino"	Expert Session
15,Sep - 15,Sep	Seminar Hall	Organized Seminar on "Opportunities in Digital Era" by Mr. Girish Khilari	Guest Lecture
23,Jan - 23,Jan	PG Class Room 2	Organized seminar for Post Graduate students by Mr. Mangesh Bhalerao on " Recent Trends in VLSI"	Expert Session
27,Aug - 27,Aug	Class Room No. 20	Quiz Competition " Brainstorm"	Judge
31,Aug - 31,Aug	Dental Seminar Hall	Organized seminar on"Effective Paper Presentation" by Prof. Vijay Gaikwad	Guest Lecture
03,Sep - 03,Sep	Dental Seminar Hall	Organized seminar on " PLC and Robotics" by Mr. Udayraj Kalkundre	Expert Session
15,Sep - 15,Sep	Project Lab	Organized on simulation software " Stimulus" for S. E. students	Judge
21,Mar - 24,Mar	Project Lab	Organized " Mini Project Competition" for T. E. students	Judge
30,Mar - 30,Mar	Staff Room	Judge for "Best Outgoing Competition" for B. E. students	Judge

Declaration

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date :01-Aug-2016

Asst. Professor Makrand Kakatkar