



**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering & Research
Ravet, Pune**



Academic Year: 2021 - 22

Faculty Profile



Name of Faculty:	Salunke Mahendra Balkrishna		
Qualification :	M. Tech (CSE), PhD (Comp. Engg.) (Pursuing)		
Designation :	Assistant Professor		
Department :	Computer Engineering		
Date of Joining :	10 th June 2015		
Experience :	Teaching : 16Y 8M Industry: 5Y 10M Research: 0		
Research Areas / Area of Specialization	Embedded Systems, Embedded Security		
Courses / Subjects Taken:	Digital Electronics & Logic Design, Computer Organization & Architecture, Microprocessor, Embedded Systems & Internet of Things, High Performance Computing		
IPR :	Title	Docker No./ Diary No.	Registered /Filed
	Energy Efficient intruder detection system at borders using WSN with 360 degree coverage"	6755/2019-CO/SW	Registered
	Lightweight Algorithm for Embedded Security in Machine to Machine communication towards Internet of Things	9195/2018-CO/L	Registered
	Hugging Robot For Analysing Human Behavior	6692/2019-CO/SW	Registered
	D2F Infra: ICT for Sustainable Agriculture Development	717/2018-CO/L	Registered
Research Publications :			
Journal Publications:	Year	Title of Paper	Published in
	2018	Role of Machine Intelligence for sustainable agricultural	CSI Communications

		development	
	2021	Ultra-Lightweight Block Cipher in Medical Internet of Things for Secure Machine-to-Machine Communication Using FPGA	REVISTA GEINTEC-GESTAO INOVACAO E TECNOLOGIAS
Conference Publications:	Year	Title of Paper	Published in
	2021	Review of Authentication Algorithms for Physical Layer Attacks	2021 6th International Conference on Inventive Computation Technologies (ICICT), (Available at IEEE Xlopre)
Books Publication:	<ol style="list-style-type: none"> 1. Humanities and Social Sciences 2. Book chapter on "Comprehensive Threat Analysis and Modeling of Physical Layer Attacks in Internet of Things", Handbook on ICT in Developing Countries, River Publication. 		
Profile Link :	Scopus Profile: Google Scholar Profile: https://scholar.google.com/citations?user=cEpSBekAAAAJ&hl=en ORCiD Profile: https://orcid.org/0000-0003-1787-7717		
H -Index:	3		
Product Developed:	Kiosk System for Library, 3D Printer, Digital Rolling Display, Line follower robots, MicroMouse		
Certifications :	1. Certification Course on Digital Teaching Techniques		
Awards/Appreciation/Achievements:	<ol style="list-style-type: none"> 1. Appreciation received for excellent university results of subjects taught. 2. Appreciation received for coordinating activities under Spoken Tutorial, IIT Bombay. 		
Membership:	ACM (Professional Member), CSI (Life Member), ISTE (Life Member)		
Industrial Training :	<ol style="list-style-type: none"> 1. "Enabling the Guru" at L&T Infotech, Navi Mumbai. 2. "Deep Dive Faculty Enablement Program" at Infosys, Pune. 3. "Java & Big Data Hadoop" at Zensar Technologies, Pune. 4. "Certification Course on Digital Teaching Techniques" organized by ATOS-SYNTEL and ICT Academy 		
Resource Person /Expert Session/Jury Invited:	<ol style="list-style-type: none"> 1. Conducted several sessions as a resource person in various Faculty Developmens Programmes in association with BOS Comp. Engg. SPPU 2. Conducted several expert sessions on various topics from MP, COA subjects 3. Session Chair for several PGCON conferences 		
Workshop/FDP/STTP attended(more than a Week):	Workshops Attended: <ol style="list-style-type: none"> 1. On "Implementation of Computer Network Laboratory of TE Computer Engg" at VIT, Pune. 2. On "Implementation of New Syllabus of B.E. Computer Engg. (2003 Course). 3. Technobuzz-2007, at Sou. Venutai Chavan Polytechnic, Pune. 4. ICON-2007, at SGGGS Institute of Engg. & Tech., Nanded. 		

	<p>5. "Hands on PIC Microcontroller" at SKNCOE Pune.</p> <p>6. "ACM India Workshop on Assessment", at DoT, SPPU, Pune.</p> <p>7. "SE Computer Engineering Syllabus Content Finalization (2019 Pattern)", at Zeal College of Engineering & Research, Pune.</p> <p>FDPs attended:</p> <p>5. "Teaching Learning Process & Team Building" at SITS, Pune.</p> <p>6. "Applied Algorithms" at SITS, Pune.</p> <p>7. "Cloud Computing Technology and Its Applications" at PDACOE, Gulbarga.</p> <p>8. One week FDP on Python 3.4.3 organized by PCCOER in association with Spoken Tutorial, IIT Bombay.</p> <p>9. "Introduction to Python Programming (Online Live FDP)", organized by ICT Academy.</p> <p>10. "Industry 4.0", organized by SAE Kondhawa, Pune.</p>
<p>Event Organized Inter department/Inter college/ Other recognized Industry/IIT's/NPTEL/SPOKE N TUTORIAL/ etc. :</p>	<p>Several Student/Faculty centric events organized in association with</p> <ol style="list-style-type: none"> 1. ACM India 2. Spoken Tutorial, IIT Bombay 3. Techknomatic 4. HackerEra 5. Xenstack India & USA 6. Techfest, IIT Bombay
<p>Event Organized in Department:</p>	<p>Several workshops, seminars, webinars, technical competitions were organized.</p>
<p>University level appointments:</p>	<p>Worked as a Subject Chairman, Paper Setter, Coordinator for syllabus drafting, Student Development Officer.</p>
<p>Administrative Duties:</p>	<ol style="list-style-type: none"> 1. Member, Governing Body, PCCOER 2. Coordinator, NIRF and various ranking processes 3. Department NBA Coordinator
<p>Academics Duties:</p>	<ol style="list-style-type: none"> 1. Subject Incharge (DELD, MP, COA, HPC etc.) 2. Module Coordinator 3. Member, Program Assessment Committee 4. Member, Department Advisory Body
<p>Any Other</p>	<ol style="list-style-type: none"> 1. Member, Organizing committee, CIPCIS 2. Member, Organizing committee, Expression (Annual gathering at PCCOER)