DEPARTMENT OF COMPUTER ENGINEERING		
Name	Satam Mahesh Kamalakar	
Designation	Assistant Professor	
Date of Birth	24th Dec 1975	
Highest Qualification	PhD(**Dept of MEMS IIT Bombay**)	
Specialisation	MEMS	
Teaching experience	25 years	
Industrial Experience	8 months	
Email id	mksatam@sspmcoe.ac.in	
Date of joining	30nd Aug 1999	
No .of Papers published (in Peer reviewed International Journals)	3	
Details	1. Nucleation-growth induced phase transformation during delithiation/lithiation of 'ultra-small' $LiFePO_4$ nanoparticles decorating carbon nanotubes – Scripta Materelia, 124 (2016) 1-5 **Elsevier** 2. Development of Carbon Nanotube Reinforced Bulk Polycrystalline Ceramics with Intragranular Carbon Nanotube Reinforcement - The Journal of American Ceramic Society, 99[9] 2905-2908 (2016) **Wiley** 3. Facile-low temperature route towards development of SiC-based coating on carbon nanotubes for improved oxidation resistance- Journal of Materials Science (2016) 51 : 8543-8549 **Springer**	
No.of Papers presented/published (International conferences)	11	
Details	1. Trends and Innivations in Materials Energy and Sustainability -**at CHRIST University Benglore** **2.** Development of CNT's reinforced bulk polycrystalline ceramics, possessing uniform CNT's distribution, via engineered sol-gel based processing route for Structural Applications - **at Daytona beach, Florida, USA** **3.** Facile route to develop CNT reinforced $LiFePO_4$ and Co_3O_4 with uniform CNT distribution, as superior electrode materials for Li-ion batteries - **at Daytona beach, Florida, USA** 4. Electrochemical delithiation/lithiation and accompanying phase transformation in 'ultra small' $LiFePO_4$ nanoparticles decorating carbon nanotubes - **at IIT Kanpur** **5.** Development of carbon nanotubes reinforced bulk polycrystalline Al_2O_3 ceramics, with intragranular carbon nanotube reinforcements with enhanced Mechanical properties and Wear resistance – **At IICT Hyderabad** 6. Electrochemical delithiation/lithiation and accompanying phase transformation in 'ultra-small' $LiFePO_4$ nanoparticles decorating carbon nanotubes – **At IICT Hyderabad** 7. Redefining the Horizons of Metallurgy/Materials focus on	

	Automotive, Aerospace, Defence and Energy – at COEP Pune 8. Development of SiC-based coating on carbon nanotubes via facile low temperature route for improved oxidation resistance – **At IIT Kanpur** **9.** Development of SiC-coated MWCNTs via facile wet chemical synthesis route for improved oxidation resistance and as reinforcement in bulk polycrystalline ceramics – **At BITS Pilani Goa campus** 10. Development of SiC-coated carbon nanotubes via facile wet chemical synthesis route for improved oxidation resistance, stand-alone and as reinforcement in bulk polycrystalline ceramics – **At COEP Pune** 11. Development of SiC-based coating carbon nanotubes reinforced in bulk polycrystalline Al_2O_3 ceramicsfor improved oxidation resistance via facile and innovative low temperature route -**At at Daytona beach, Florida, USA**
No.of seminars	8
Details	1. "TECHXELLENCE 2K22" – At YBP Sawantwadi 2. Incubation and Start up – At SSPMCOE Kankavli 3. Science behind Spirituality – At SSPMCOE Kankavli 4. "Virtuasic 2K24" – At SSPMCOE Kankavli 5. Anti -Ragging Act – At SSPMCOE Kankavli 6. "Research and Development in Engineering Colleges" – At SSPMCOE Kankavli 7. Facile Route towards Development of MWCNT reinforced Ceramic Nano-composites with Uniform Distribution for Structural Applications – At SSPMCOE Kankavli 8. Facile Route towards Development of MWCNT reinforced Ceramic Nano-composites with Uniform Distribution for Structural and Energy Storage Applications - At SSPMCOE Kankavli
No.of STTP/Workshops	18
Details	1. MISSION10X 2. Spectrum – Developing Multidimensional Competencies in Teachers" – At VIT Pune 3. Advanced Materials in Engineering – At SSPMCOE Kankavli 4. Solar, Wind and Renewable Energy – At SSPMCOE Kankavli 5. Nanotechnology : Fabrication Methods & It's Applications Abasaheb Marathe Arts & News Commerce, Science college, Rajapur, Ratnagiri 6. Introduction to Research Methodology MES's Pillai's Institute of Information Technology, New Panvel 7. Workshop on Electrochemical techniques for energy storage and conversion devices – At IIT Bombay 8. Advanced Materials Processing – At FAMT Ratnagiri 9. Effective uae of ICT toolin Teaching and Learning Process – At Government Polytechnic Malvan 10. How to Write Thesis Report in Latex? NDLI 11. The Inspirational Story of Srila Prabhupada Founder Acharya Of ISKCON – NDLI

	12. Energy Crisis: role of Energy management and Renewable 13. Emerging Trends in Applied Chemistry – At SGT University Gurugram Delhi 14. Academic Innovations in Industry 4.0 At VIT Pune 15. Spectrum – Developing Multidimensional Competences in Teachers 16. Recent Advancement in Nanomaterials agd Green Technology for sustainable Engineering – At RGIT Mumbai 17. Chem Draw and Chem Sketch Software learning – At SGT University Gurugram, Delhi 18. Recent Trends in Mechanical Engineering –At SSPMCOE Kankavli
No.of projects guided at UG level	1
Details	1. Generation Electricity and Fuel using Plastic Waste
Membership in Professional Bodies	ISTE Life Time Membership
Research / Sponsored / Consultancy Projects	1. Generation of Green Hydrogen 2. Development of Ceramics using Sol-Gel Technology 3. Development of Composites using In- Situ Techniques
Awards / Honours / Prizes	1. Best Oral Presentation –At Trends and Innivations in Materials Energy and Sustainability -**at CHRIST University Benglore**