


### Profile of Faculty

<b>Name</b>	<i>Dr. Sivaprakash C</i>		
<b>Date of Birth</b>	<i>25.07.1977</i>		
<b>Unique ID</b>	<i>SCET06EC01</i>		
<b>Designation</b>	<i>Assoc. Professor &amp; HOD</i>		
<b>Department</b>	<i>Artificial Intelligence &amp; Machine Learning</i>		
<b>Date of Joining</b>	<i>06.03.2006</i>		
<b>Educational Qualifications</b>			
<b>UG</b>	<b>PG (specialization)</b>	<b>PhD (specialization)</b>	
<i>B.E (ICE)</i>	<i>M.E (CSE)</i>	<i>Ph.D – CSE (Computer Networks)</i>	
<b>Others (any other Qualification)</b>	<i>DECE - Diploma in Electronics &amp; Communication Engineering</i>		
<b>Work Experience</b>	<b>Teaching</b>	<i>24</i>	
	<b>Research</b>	<i>01</i>	
	<b>Industry</b>	<i>01</i>	
	<b>Others</b>	<i>-</i>	
<b>Research Guidance</b>			
<b>No of Papers Published</b>	<b>National Journal</b>	<i>03</i>	
	<b>International Journal</b>	<i>30</i>	
	<b>Conferences</b>	<i>12</i>	
<b>Master degree</b>	<b>Completed</b>	<i>Yes</i>	
	<b>Ongoing</b>	<i>-</i>	
<b>PhD</b>	<b>Completed</b>	<i>Yes</i>	
	<b>Ongoing</b>	<i>-</i>	
<b>Projects Carried Out</b>	<ul style="list-style-type: none"> <li>➤ <i>Noise and Pollution Monitoring System</i></li> <li>➤ <i>PliroforiaSystima for Visually Impaired</i></li> <li>➤ <i>Cost Effective Smart Transport System for Education Institution</i></li> <li>➤ <i>Sign Language to Voice Output for Differently Impaired</i></li> <li>➤ <i>Sensor less Virtual talking System for differently abled</i></li> <li>➤ <i>Traffic Lights Detection for Blind People</i></li> <li>➤ <i>Advanced railway track fault detection and messaging system using GSM communication</i></li> <li>➤ <i>Design for naval monitoring network control system</i></li> <li>➤ <i>Wireless home automation system using voice communication</i></li> <li>➤ <i>Simulator Based real-Time Automotive Networking for Vehicles</i></li> <li>➤ <i>The Modified Proportional Client System Adaptive Routing for Communication Networks</i></li> <li>➤ <i>Technology for Electrical Management in Automobiles</i></li> <li>➤ <i>System to detect 'co' level</i></li> <li>➤ <i>Imbricate Cryptography for Network Security</i></li> <li>➤ <i>Wireless Intelligent Train Tracking &amp; Management System</i></li> </ul>		

	<ul style="list-style-type: none"> <li>➤ <i>Methods involved in reduction of torque ripples in SRM drives</i></li> <li>➤ <i>Verification and Conformation of Authorized Vehicles</i></li> <li>➤ <i>Strong Security in Sensor Network uses New Hardware Components</i></li> <li>➤ <i>Carbon Monoxide Detector for Indoor Parking Car Using PIC Microcontroller (PIC16F877)</i></li> <li>➤ <i>Biometric Smart Card Reader Using Embedded Systems</i></li> <li>➤ <i>Security as a New Dimension in Embedded System Design</i></li> <li>➤ <i>An RFID Warehouse Robot</i></li> <li>➤ <i>Wireless Network with Double Coverage Algorithm</i></li> <li>➤ <i>Highly Reliable Broadcast for Mobile Ad hoc Networks</i></li> <li>➤ <i>A Proactive Cache update Protocol for Domain Name system</i></li> <li>➤ <i>Strong Cache Consistency for the Domain Name system</i></li> </ul>	
<b>Patents</b>	<b>Filed&amp; Published</b>	10
	<b>Total Granted</b>	03
	1. <i>Design Patent Grant</i>	02
	2. <i>International Grant</i>	01
<b>Technology Transfer</b>		
<b>No. of Books publishes with details</b>		
<b>Name of the book</b>	<b>Publisher with ISBN</b>	<b>Year of Publication</b>
<i>Trends and Issues in Indian Education</i>	<i>KANISHKA PUBLISHERS ISBN-13-978-9389484526</i>	<i>January 2020</i>
<i>Analog &amp; Digital Electronics</i>	<i>Jupiter Publications Consortium, Chennai ISBN: 978-93-86388-29-2</i>	<i>February 2020</i>
<b>Professional Memberships</b>	<ul style="list-style-type: none"> <li>➤ <i>Life Member of Institutions of Engineers - MIE</i></li> <li>➤ <i>Life Member of Indian Society for Technical Education</i></li> <li>➤ <i>Life Member of Institute of Electrical &amp; Telecommunication Engineering</i></li> <li>➤ <i>Life Member of ISRD</i></li> <li>➤ <i>Life Member of UAEEM</i></li> <li>➤ <i>Membership in ASDF</i></li> </ul>	
<b>Consultancy Activities</b>	<i>Nil</i>	
<b>Awards</b>	<i>ASDF – Best Circuit faculty for the Year 2018</i> <i>IEI – Best Faculty Award</i>	
<b>Grants Received</b>	<ol style="list-style-type: none"> <li>1. <i>Received a grant of rupees Ten lakhs (Rs. <b>10,00,000.00</b>) to carry out research Proposal of entitled as “Human Motivated Machine Vision for Smart Transport System” under VTU Research Grant Scheme for the year 2022-2023. Status of the projects is ongoing.</i></li> <li>2. <i>Received a grant of rupees Eight lakhs (Rs. <b>8,00,000.00</b>) to carry out Modernization of</i></li> </ol>	

**Embedded System Design Lab** under **AICTE - MODROBS** Scheme in the year 2011-2012. Established the laboratory and 3 student projects were completed under this laboratory facility and few projects on going.

3. Received a grant of rupees Seven lakhs (Rs. **7,00,000.00**) to conduct Faculty Development Program for the AICTE Approved Academic Institutions under **AICTE - FDP** Scheme in the year 2013-2014. Organized Faculty Development program titled **"VISUAL SYSTEM PROGRAMMING"** during 23<sup>rd</sup> September 2013 - 07<sup>th</sup> October 2013 (15 Days) for 50 Participants.
4. Received a grant of rupees One lakh (Rs. **1,00,000.00**) to carry out the project entitled "System to Detect CO Level for LMV's" funded by Department of Science & Technology under the scheme of Innovation and Entrepreneurship Development Centre (DST-IEDC) in the academic year 2013-14 by Government of India.
5. Received a grant of rupees One lakh (Rs. **1,00,000.00**) to carry out the project entitled "Technology for Electrical Management in Automobiles" funded by Department of Science & Technology under the scheme of Innovation and Entrepreneurship Development Centre (DST-IEDC) in the academic year 2013-14 by Government of India.
6. Received a grant of rupees Four thousands (Rs. **4,000.00**) to carry out the project entitled "Wireless Intelligent Train Tracking & Management System" funded by 34<sup>th</sup> Series of SPP for the academic year 2011-12, KSCST - Karnataka State Council for Science & Technology, IISc - Bangalore, State by Government of Karnataka.
7. This project was adjudged as one of the **outstanding projects of the year** and was selected for the **"Project of the Year"** award, during the Seminar and Exhibition held at PES Institute of Tech & Management, Shimoga, Karnataka, India on 19<sup>th</sup> and 20<sup>th</sup> August 2011.
8. Received a grant of rupees Two thousands Five Hundred (Rs. **2,500.00**) to carry out the project entitled "Bio-speckle Fruit Processing in Industry" funded by 34<sup>th</sup> Series of SPP for the academic year 2011-12, KSCST - Karnataka State Council for Science & Technology, IISc - Bangalore, State by Government of Karnataka.

	<p>9. Received a grant of rupees Four Thousands (Rs. <b>4,000.00</b>) to carry out the project entitled “Noise Pollution and Monitoring System” funded by 40<sup>th</sup> Series of SPP for the academic year 2016-17, KSCST - Karnataka State Council for Science &amp; Technology, IISc – Bengaluru, State by Government of Karnataka.</p> <p>10. Received a grant of rupees Five Thousands (Rs. <b>5,000.00</b>) to carry out the project entitled “An Intelligent Power Shutdown System for Power Saving Applications” funded by 41<sup>st</sup> Series of SPP for the academic year 2017-18, KSCST - Karnataka State Council for Science &amp; Technology, IISc – Bengaluru, State by Government of Karnataka.</p> <p>11. Received a grant of rupees Five Thousand (Rs. <b>6,500.00</b>) to carry out the project entitled “De-Foaming of Lake using Water Turbine” funded by 43<sup>rd</sup> Series of SPP for the academic year 2019-20, KSCST - Karnataka State Council for Science &amp; Technology, IISc – Bengaluru, State by Government of Karnataka.</p>
<p><b>Other Achievements</b></p>	<ul style="list-style-type: none"> <li>★ Awarded as “<b>Best Paper Award</b>” in - 3<sup>rd</sup> National Conference on 7<sup>th</sup>&amp; 8<sup>th</sup> April 2022 organized by NHCE, Bengaluru in association with IIT – Roorkee in the year 2022</li> <li>★ Awarded as “<b>Best Circuit Faculty</b>” of the Year 2018 by ASDF.</li> <li>★ Awarded as “<b>Best Mentorship Award</b>” from R.V. VLSI Design, Bengaluru in the year 2013 for the student project.</li> <li>★ Best Paper Award for research paper entitled “<b>Sign Language to Voice Output for Differently Impaired</b>” in International Conference on Emerging Trends in Science and Engineering (ICETSE-2017) on 11<sup>th</sup>&amp; 12<sup>th</sup> May, 2017 in Coorg Institute of Technology, Kodagu, Halligattu, <u>Karnataka</u>.</li> <li>★ Awarded Academic Excellence for secured 2<sup>nd</sup> Place in ME Degree.</li> <li>★ Established &amp; Modernized an Embedded System Design Lab.</li> <li>★ 14 times won Academic Excellence award for producing 100% academic result.</li> <li>★ Certified as Qualified Internal Auditor for ISO 9001: 2000, ISO 9001: 2008 &amp; ISO 9001: 2015 by IIQ</li> </ul>

*Systems Pvt, Ltd., Bangalore*

- ★ *Won several awards and certificates for showing proficiency in academics & profession.*

### **VTU Subject Expert**

*VTU Recognized as subject expert in VTU E-learning Centre, Mysuru for the following subjects*

- ★ *Artificial Neural Networks*
- ★ *Operating Systems*
- ★ *Fundamentals of Computer*

### **NPTEL**

- ★ *Completed NPTEL Exam on 28<sup>th</sup> October 2023 – Fundamentals of Artificial Intelligence*
- ★ *Completed NPTEL Exam on 27<sup>th</sup> April 2019 – Cryptography and Network Security*
- ★ *Completed NPTEL Exam on 28<sup>th</sup> October 2018– Introduction to Machine Learning*

### **NITTTR Courses offered by AICTE Status:**

#### **Modules Completed:**

- ★ *Module 1\_ Orientation Towards Technical Education and Curriculum Aspects*
- ★ *Module 3\_ Communication Skills, Modes & Knowledge Dissemination*
- ★ *Module 5\_ Technology Enabled Learning & Life Long Self Learning*
- ★ *Module 6\_ Student Assessment and Evaluation*
- ★ *Module 8\_ Institutional Management & Administrative Procedures*