

PROFILE

Name	Jayaprakash S
Position & Affiliation	Assistant Professor, Department of ECE
Areas of Interest	VLSI, Embedded systems, IOT
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Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=57570219600
Professional Webpage (if any)	

Educational Qualifications:

Ph.D	Visveswaraya Technological University	India	Registered
MTech	PES Institute of Technology , VTU	India	2010
BE	BMS college of Engineering, VTU	India	2008

Areas of Research:

Semiconductor devices,

Brief Profile: (write about yourself)

Pursuing a **Ph.D. in Semiconductor Device Research**, with a strong academic foundation in **VLSI and Embedded Systems (M.Tech)** and **Electronics and Communication Engineering (B.E.)**. Possess **over 10 years of industry experience in FPGA design**, along with **5 years of teaching** and **1 year of research experience**.

Recognized as an **“Innovation Ambassador”** by the **Institute’s Innovation Council (Ministry of Education)** for promoting innovation and entrepreneurial initiatives. Actively engaged in **entrepreneurship development** and **startup ecosystem activities**. Serving as **IPR Activity Coordinator** under **IIC, CIT**, and **Faculty Coordinator** for the **E-Cell (Entrepreneurship Cell)** to encourage innovation-driven student projects and idea development.

As an **NSS Coordinator**, leading various social outreach programs to promote **social awareness and community responsibility** among students. Also serving as the **Industrial Visit Coordinator**, facilitating **industry–institute interaction** and organizing visits that provide students with practical exposure to current

technologies and industrial practices.

Actively guiding students in **mini-projects and final-year projects**, fostering their **technical competence, innovation, and research aptitude**.

Awards/Achievements/Others:

Recognized as “Innovation Ambassador” from Institute’s innovation council, Ministry of Education.

Courses Taught:

VLSI, ASIC, SOC, FPGA, Embedded systems, Innovation and Entrepreneur development.

Publications/Patents:

Publications	1. Electrostatic Performance of Heterostructures with Hetero Dielectric Double Gate Pin Tunneling Graphene Nanoribbon FET 2. An IoT-Based Smart Irrigation System Using the Blynk Application 3. Design and VLSI implementation of high performance DUC and DDC for software defined radio applications 4. SMART TEXTILES FOR HEALTHCARE MONITORING SYSTEM USING ARDUINO 5. Smart Textile for Healthcare Monitoring																						
Patents	<table><tr><td colspan="2">Published:</td></tr><tr><td>CARBON DIOXIDE AS A FUEL FOR VEHICLES</td><td>202241075395</td></tr><tr><td>PRESSURE COOKER WHISTLE DETECTOR</td><td>202241075396</td></tr><tr><td>Generation of Electricity using solid waste</td><td>202241075398</td></tr><tr><td>Text Language Translation through Spectacles using AR Technology</td><td>202241075399</td></tr><tr><td>OFFLINE ADVERTISING APPLICATION</td><td>202241077275</td></tr><tr><td>Online shopping Application for Local shopkeepers (Quicky)</td><td>202241077274</td></tr><tr><td>Reduce deterioration of sucrose level in Sugarcane using E coil bacteria</td><td>202241077272</td></tr><tr><td>Women’s safety and Empowerment App using SOS signal and BOT messages Namma Mahileyara Rakshane</td><td>202241076045</td></tr><tr><td>System method and design of IOT based health and location monitoring system for soldiers using Arduino</td><td>202241031436</td></tr><tr><td>System method and design of smart phone operated multipurpose agricultural robot using IOT</td><td>202241028720</td></tr></table>	Published:		CARBON DIOXIDE AS A FUEL FOR VEHICLES	202241075395	PRESSURE COOKER WHISTLE DETECTOR	202241075396	Generation of Electricity using solid waste	202241075398	Text Language Translation through Spectacles using AR Technology	202241075399	OFFLINE ADVERTISING APPLICATION	202241077275	Online shopping Application for Local shopkeepers (Quicky)	202241077274	Reduce deterioration of sucrose level in Sugarcane using E coil bacteria	202241077272	Women’s safety and Empowerment App using SOS signal and BOT messages Namma Mahileyara Rakshane	202241076045	System method and design of IOT based health and location monitoring system for soldiers using Arduino	202241031436	System method and design of smart phone operated multipurpose agricultural robot using IOT	202241028720
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Book/Book Chapters																							

Research and Consultancy: