

## **Faculty Profile Page Layout**



- **Name:** S.VIGNESWARAN
- **Designation:** Assistant Professor and Placement Officer & EDII Coordinator
- **Department:** Electronics
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### **Tabs/Sections (Expandable or Scrollable)**

#### **About**

##### **Brief Bio:**

An enthusiastic and dedicated educator with a passion for inspiring young minds. Committed to fostering a positive and engaging learning environment that nurtures creativity, critical thinking, and lifelong learning. Skilled in curriculum development, classroom management, and personalized teaching strategies to meet diverse student needs. Driven by the belief that education is the foundation for success and personal growth

##### **Education:**

Qualification	Board / University	Year of Completion		
<b>Certifications (if any):</b>				
HSC	STATE BOARD	2009		
Title of Certification	Offering Institution	Duration	Year of Completion	
UG	BHARATHIAR UNIVERSITY	2012		
PG	BHARATHIAR UNIVERSITY	2014	1 DAY	2021
e-Teacher	Bharathiar University			
M.Phil	BHARATHIAR UNIVERSITY	2016	1 WEEK	2022
Arduino Training	IFT Bombay			
Machine Learning & Artificial Intelligence for Real Time Applications	BHARATHIAR UNIVERSITY	2026	3 DAYS	2020
Experimental Teaching - Corporate Cognizance	SRI RAMAKRISHNA COLLEGE OF ARTS AND SCIENCE		5 DAYS	2021
INFOSYS FDP	INFOSYS		7 DAYS	2017
National Seminar	KSR College of Arts and Science Namakal		1 Day	2025
Entrepreneurship Development innovation institute Tamil Nadu	ChikkanaGovt Arts college, Tiruppur.		3 days	2025

## Research

- Research Areas/Interests: **THIN FILM TECHNOLOGY**

## Publications:

- 1.S.Sangeethavanathi, P. Gowthaman, S. Vigneswaran, Facile hydrothermal synthesis of Cu doped MoS<sub>2</sub> nanoparticles for enhanced dye-sensitized solar cell performance, Inorganic Chemistry Communications, 171 (2025) 113653. <https://doi.org/10.1016/j.inoche.2024.113653>
2. S. Sangeethavanathi, P. Gowthaman, S. Vigneswaran, M. Sathishkumar, Exploring the Structural, Optical and Surface Area Properties of MoS<sub>2</sub> Nanoparticles, Material Science Research India, 21 (2) (2024) 84-92. <http://dx.doi.org/10.13005/msri/210204>
3. S. Sangeethavanathi, P. Gowthaman, S. Vigneswaran, Enhanced Photovoltaic Performance of Dye Sensitized Solar Cells using synergistically Co-doped FeCu@MoS<sub>2</sub> counter electrodes, Nano Trends, 12 (2025) 100157. <https://doi.org/10.1016/j.nwnano.2025.100157>
4. S. Vigneswaran, P. Gowthaman, S. Sangeethavanathi, M. Sathishkumar, Preparation and Characterization of CuFeS<sub>2</sub> Nanoparticles Synthesized via Hydrothermal Method,

International Journal for Research in Applied Science & Engineering Technology, 12 (4) (2024) 232-237. <https://doi.org/10.22214/ijraset.2024.62599>

5. S. Vigneswaran, P. Gowthaman, S. Sangeethavanathi, Enhanced photocatalytic degradation of Cr(VI) and oxytetracycline using CuFeS<sub>2</sub> @Zn composites, ChemPhysMater, 4 (3)(2025) 296-312.  
<https://doi.org/10.1016/j.chphma.2025.01.004>
6. S. Vigneswaran, P. Gowthaman, S. Sangeethavanathi, Enhanced Cr(VI) Degradation Efficiency of Zn doped CuFeS<sub>2</sub> Composites under visible light irradiation, Journal of Sol-Gel Science and Technology.

1.

## Experience

Total work experience as on (10.12.2025)			
Institution Name	Designation	Period from	Period to
SRI VASAVI COLLEGE (SFW) ERODE	ASSISTANT PROFESSOR AND PLACEMENT OFFICER & EDII COORDINATOR & NAAN MUTHALVAN SPOC	01.10.2016	Till Date

## Achievements

- Awards & Honours:
  - .
- Keynote Speaker or Conferences & Seminars Attended / organised:

## Engagement

- Memberships:
  - PLACEMENT OFFICER AND EDII COORDINATOR

