

## **FACULTY PROFILE**



**Name : Dr. C. Kezi Selva Vijila, M.E, Ph.D.**

Designation: Professor & Controller of Examinations

Department of ECE,

Hindustan Institute of Technology and Science

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Experience: 27 in years

Research area: Signal Processing, Image Processing, Communication & Networking

### **Recent Publications: ( last 5 years)**

1. C.Kezi Selva Vijila,et.al. “ Design Analysis of Monopulse Antenna”  
International Conference on Intelligent Computing and Control Systems, IEEE  
Xplore Part Number: CFP21K74-ART; ISBN: 978-0-7381-1327-2, pp.19-23,  
2021
2. C.Kezi Selva Vijila,et.al.” Novel Scheduling Based Intelligent Video Streaming  
for Device-to-Device Communication in Wireless Networks”, International  
Journal of Wireless Personal Communications, Vol.No.104 (2),pp.617-631, 2019.
3. Kezi Selva Vijila.C. & Tharcis. P et.al, “Lung computed axial tomography image  
segmentation using possibilistic fuzzy C- means approach for computer aided  
diagnosis system”, International Journal of Imaging Systems and Technology,  
Vol.No.29,Issue No.3, pp.374-381, May 2019.
4. C. Kezi Selva Vijila, ” Feature selection using Ant Colony Optimization (ACO)  
and Road Sign Detection and Recognition (RSDR) system”, International Journal  
of Cognitive Systems Research, Vol.No.58, pp.123-133, 2019

5. Kezi Selva Vijila et.al., ‘Computer aided Diagnosis of Lung Cancer in Computer Tomography Scans : A Review’ Current Medical Imaging Teviews, Vol.14, pp.374-388, 2018
6. Kezi SelvaVijila.C et.al.,” Hadoop File System Processing in Hybrid scheduling method based on Task scheduling for reducing job completion time”, International Journal of Advancements in Engineering and Technology, VOL.1 NO.1, Pages:15-19, 2018.
7. C.Kezi Selva Vijila et.al., ‘Mitigating packet drop and energy consumption in wireless sensor networks using network level optimized relay election protocol’ Wireless Personal Communications (WPC) Springer, 94, pages 2783–2796, 2017.
8. Kezi Selva Vijila, C et.al., ‘Service discovery architecture using clustering in MANETs’, International Journal of Advanced Engineering Technology, vol. 7, no. 2, pp. 712-718,2016.
9. C.Kezi Selva Vijila, et.al. , “Frequency Dependent Adaptive Chemotaxis in Bacterial Foraging Optimization for ST Segment Elevation Myocardial Infarction Prediction” Indian Journal Science & Technology, 9 (1), 2016
10. C. Kezi Selva Vijila, “Energy Aware Processor Architecture for Effective Scheduling and Power Management in Cloud using Inclusive Power-Cognizant Processor Controller”, “Circuits and Systems”, Vol. 8, Issue 8, pp : 1822-1833, 2016.
11. Kezi Selva Vijila, et.al. “A survey of modulation techniques for a series connected voltage source inverters”, International Journal of Advanced Engineering Technology, vol.7, no.2,pp. 571-581, 2016

### **Projects:**

- Received Rs.6,50,000/- as a grant from AICTE under MODROB for VLSI lab in 2013.
- Received grant from AICTE for two Skill Developmental Courses in 2019
- Received grant from AICTE for adopting 5 villages under Unnat Bharat Abhiyan Scheme in 2018.

### **Achievements:**

- Recipient of “**LIFETIME ACHIEVEMENT AWARD**” NFED, on 8<sup>th</sup> March 2022.

- Recipient of “**BEST SUPERVISOR AWARD**” given by IRDF, Chennai, 2020
  - Recipient of “**YOUNG WOMEN SCIENTIST AWARD**” given by the Government of Tamilnadu, January 2011.
  - Recipient of “**OUTSTANDING WOMAN EDUCATOR AWARD**” given by National Foundation for Entrepreneurship Development, Coimbatore, on 8<sup>th</sup> March 2017.
  - Recipient of “**OUTSTANDING RESEARCHER AND SCHOLAR ICON**” given by JSAER, Chennai 2017
  - Recipient of “**BEST ACADEMIC ADMINISTRATOR AWARD**” by Venus International Foundation, Chennai on 05.07.15
  - Produced **10 Ph.Ds** within a span of 9 years
  - Authored a book titled “ Computer Programming Using Python”
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