



**NAME: VYSAK VALSAN**

**DESIGNATION: ASSISTANT PROFESSOR**

**DEPARTMENT: ELECTRONICS &  
COMMUNICATION ENGINEERING**

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### **ACADEMIC BACKGROUND**

1. M.E. COMMUNICATION SYSTEMS (ANNA UNIVERSITY)
2. B.TECH. ECE (CALICUT UNIVERSITY)

### **EXPERIENCE**

1. DEPT. OF ECE, JCET (FROM 13.06.2016 – TILL DATE)
2. DEPT. OF ECE, GEC THRISSUR – ON CONTRACT (FROM 02.07.2012 – 16.04.2013)

### **AREA OF INTEREST**

1. COMMUNICATION ENGINEERING
2. IMAGE & SIGNAL PROCESSING

### **PROFESSIONAL INFORMATION**

### **PAPER PUBLICATIONS**

- Sreevidya C, Vysak Valsan, “Deep Convolutional Neural Network for Classification and Segmentation of Wireless Capsule Endoscopy Images”. International Journal of Scientific progress and Research, Issue 184, Volume 79, Number 6, June 2021 (ISSN: 2349-4689).
- Seelakshmi M, Vysak Valsan, “Image Restoration using Advanced Patch Processing Algorithm”, International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 4, April 2020.
- Keerthy C, Vysak Valsan, “Video to Video Enhancement and Object Detection in Video with Low Clarity using Histogram”, International Journal of Current Engineering And Scientific Research ( IJCESR), Volume 6 Issue 6 (Part-II), June 2019
- Sindhu C P, Vysak Valsan, "Automatic Polyp Detection in Wireless Capsule Endoscopy Images using Hybrid Patch Extraction and Supervised Classification",

International Journal of Scientific Engineering and Research (IJSER), <http://www.ijser.in/archives/v5i2/v5i2.php>, Volume 5 Issue 2, February 2017, 5 - 9

- Sindhu C P, Vysak Valsan, “A Novel Method for Automatic Detection of Inflammatory Bowel Diseases in Wireless Capsule Endoscopy Images”, 2017 Fourth IEEE Proceedings of International Conference on [Signal Processing, Communication and Networking \(ICSCN\)](#), Published on 30<sup>th</sup> October 2017 (DOI: [10.1109/ICSCN.2017.8085711](#)).
- Sindhu C P, Vysak Valsan (2017), “A Computer Aided Detection Technique for Early Detection of Gastrointestinal Polyps and Tumor in Wireless Capsule Endoscopy Images”, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), Vol 6, Special Issue 4, pp.67-71.
- Sindhu C P, Vysak Valsan, “A Novel Method for Automatic Detection of Inflammatory Bowel Diseases in Wireless Capsule Endoscopy Images”, Proceedings of 4<sup>th</sup> International Conference on Signal Processing, Communication and Networking (ICSCN’17), Anna University (MIT Campus) Chennai, 16<sup>th</sup>,17<sup>th</sup>, 18<sup>th</sup> March 2017
- Sindhu C P, Vysak Valsan, “Automatic Detection of Colonic Polyps and Tumor in Wireless Capsule Endoscopy Images using Hybrid Patch Extraction and Supervised Classification”, Proceedings of the International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS’17), Karpagam College of Engineering Coimbatore, 17<sup>th</sup> and 18<sup>th</sup> March 2017

## **PROFESSIONAL BODY MEMBERSHIP**

1. INTERNATIONAL ASSOCIATION OF ENGINEERS (IAENG)  
**MEMBERSHIP NO. 191669**

## **CONFERENCES/FDPs ATTENDED (LAST TWO YEARS)**

### **CONFERENCES**

- Presented a paper titled “Wideband Hexagonal Fractional Antenna for WLAN & CMMB Applications”, at Nehru e-Conference on Technology Annexing Reality, held on 28/05/2021 – 29/05/2021.
- Presented a paper titled “Image Restoration using Advanced Path Processing Algorithm at National Level Virtual Conference ABACon’20 (Abacus Conference), Organized by Dept. of CSE, Sahrdaya College of Engineering and Technology, Thrissur held on 22/06/2020

## **FDPS**

- KTU Sponsored FDP on “Costal Protective Measures and its Importance in Kerala” organized by Dept. of Civil Engineering, JCET from 06/01/2020 to 11/01/2020
- FDP on “Developing Next Generation Teachers in Higher Education” organized by NGIK from 07/07/2020 to 11/07/2020
- FDP on “Research Challenges and Trends in Information Technology” organized by Dept. of CSE Sahyardri College of Engineering and Management, Mangaluru from 04/08/2020 to 08/08/2020.
- AICTE Training and Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 2021-2-22 to 2021-2-26 at Indian Institute of Technology Ropar.
- AICTE Training and Learning (ATAL) Academy Online FDP on "Wearable Devices" from 2021-2-15 to 2021-2-19 at Anna University.
- AICTE Training and Learning (ATAL) Academy Online FDP on "Data Sciences" from 2021-1-18 to 2021-1-22 at MSME -TECHNOLOGY DEVELOPMENT CENTRE ( PPDC)
- AICTE Training and Learning (ATAL) Academy Online FDP on "Remote Sensing" from 2021-1-28 to 2021-2-1 at Indian Institute of Space Science and Technology.
- FDP on “Education 4.0” organized by NGIK from 07/06/2021
- KTU Sponsored FDP on “Industrial Instrumentation and Automation” organized by Dept. of EEE & ECE, JCET from 06/09/2021 to 10/09/2021
- AICTE ISTE Refresher programme on “Technology Driven Healthcare Systems” organized by Dept. of ECE, JCET from 18/01/2022 to 24/01/2022

**AWARDS/ ACHIEVEMENTS: NIL**