**Name**: Dr. C. DIVYA



 **Qualification**: M.E. Ph.D.

**Designation**: Assistant Professor

Centre for Information Technology and Engineering

**Area of Specialization**: Communication Network, Security in Wireless

Sensor Network, Electron Devices and Circuits, Deep Learning

**Date of joining**: 07/10/2010

**Date of Retirement**: 30/06/2047

**E-Mail** – cdivyame@gmail.com

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| --- | --- | --- |
| **Experience** | No. of year in Teaching: \_\_14\_\_ | No. of Years in Research: \_\_14\_\_\_ |

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| **Project Details** | 1. Total No. o Projects: 2
 | 1. Total Project value:<Rs. in lakhs>
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**Project Details for the period between Ay 2018-19 and Ay 2023-24**

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| --- | --- |
|  | **Study on** MULTI-FIELD ROBOT WITH WIRELESS MOBILE DETECTOR **funded by** TNSCST-Student Project Scheme **for Rs.** 7500 |
|  | **Study on** A Deep learning approach with Augmented Reality System for 3D Shape Analysis and Recognition of Artefacts in Adichanallur Archaeological Site, Tamil Nadu **funded by** DST-SHRI **for Rs. Not Yet Declared** |

**Publication details: No. of Books** 7 **(Best Five published during the period 2018-24)**

|  |  |
| --- | --- |
|  | Advances in Data Science and Artificial Intelligence, **Published by** Springer **Year** 2023 **ISBN** 978-303116177-3 |
|  | Artificial Intelligence, Blockchain, Computing and Security Volume 2 **, Published by** CRC Press **Year** 2023 **ISBN** 9781032684994 |
|  | Materials for Sustainable Energy Storage at the Nanoscale**, Published by** CRC Press **Year**2023 **ISBN** 9781003355755 |
|  | Graphene Oxide in Enhancing Energy Storage Devices**, Published by** CRC Press **Year** 2022 **ISBN** 9781003215196 |
|  | Modern approaches in machine learning & cognitive science: A walkthrough, **Published by** Springer International Publishing **Year** 2022 **ISBN** 978-3-030-96634-8 |

**Publication details:**

|  |  |
| --- | --- |
| **Journal - International: 10** | **Journal - National: -** |
| **Book Chapters: 7** | **Conference Proceedings: 7** |

**Publication Credentials:**

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| --- | --- |
| **Citations: 183** | **h – Index: 7** |
| **i10-index: 5** |

**Recent/Best Five Articles published during the period 2018 - 24**

|  |  |
| --- | --- |
|  | Deep learning for the prediction and classification of land use and land cover changes using deep convolutional neural network Published in Ecological Informatics, ISSN: 1878-0512, 2021/https://doi.org/10.1016/j.ecoinf.2021.101412 |
|  | Time Series Analyzation and Prediction of Climate using Enhanced Multivariate Prophet Published in <International Journal of Engineering Trends and Technology, ISSN: 2231 – 5381, 2021/10.14445/22315381/IJETT-V69I10P212 |
|  | Automatic detection of microaneurysms using a novel segmentation algorithm based on deep learning techniques Published in Computational Intelligence, ISSN: 1467-8640, 2023/<https://doi.org/10.1111/coin.12588> |
|  | THz Microstrip Antenna for Terabit Wireless Local Area Networks>Published in The Applied Computational Electromagnetics Society Journal (ACES), ISSN: 1943-5711, 2023 |
|  | Design and implementation of slotted metamaterial stackedmicrostrip patch antenna for broadband applications in Journal ofPhysics: Conference Series pp. 1-10,2020 |

**Research Guidance**

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| **No. of PhD Completed: 2** | **No. of PhD Pursuing: 4** |

**Conferences/Seminars/Workshops Participated during the period 2018-24**

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| **Organized** | **International: -** | **National: 8** |
| **Participated** | **International: 6** | **National: 14** |

**Academic Associations and Affiliations during the period 2018-24**

|  |  |
| --- | --- |
|  | Doctoral committee member for research scholar Mrs.Karthika A R (Registration number: 21223897134, Department of ECE, University College of Engineering, Nagercoil  |
|  | Award committee member in St.Xavier’s College, Palayamkottai. |
|  | Award committee member in St.Marys College, Tuticorin. |
|  | Chief guest at St.Johns College, Palayamkotai for Department of Computer Science Association Inaugural on August 2023. |
|  | Member expert of an inspection commission to visit St.John’s College, Palayamkottai on 12.6.2023. |
|  | University Representative –Affiliated College for the period of two years from 5.2.2023 to Sri Ram Nallamani Yadava College of Arts & Science, Kodikurichi, Tenkasi District. |
|  | Coordinator for International year of millets 2023 in CITE, MSU. |
|  | AQAR committee member for 2021-2022. |
|  | Research, innovation and extension committee member for NAAC cycle 4 during Nov 2022. |
|  | Member expert of an inspection commission to visit sivanthi arts and science college for women, udangudi on 6.6.2022. |
|  | Member expert of an inspection commission to visit Sri Parasakthi College for Women, courtallam on 27.5.2022. |
|  | Board of studies meeting in Centre for Information Technology and Engineering, Manonmaniam Sundaranar University, Tirunelveli held on 29.3.2022 at 11 am. |
|  | Subject Expert for certificate course in Field Technician( Computing And Peripherals) of an Inspection Commission to visit The G.V.N college,Kovilpatti on 13.11.2019 |
|  | Observer for Pre Ph.D. Presentation for Mr.T.Sabhanayagam ( reg. No. 7686) Part time External ‘C’ on 28.2.2018 at 3 pm in MSU. |
|  | Examiner for January 2018 Examinations for Diploma in Computer Hardware and Network Maintenance with Lap-Top Technologies, Diploma in Computer usage for office Management and Accounting on 8.1.2018 at University Campus, M.S.University. |

**Member - Editorial Board/Panel of Reviewer during the period 2018-24**

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| --- | --- |
|  | Editorial Board member of International Research Journal on Advanced Science Hub  |
|  | Reviewer in International Journal of computers and applications  |
|  | Reviewer in Neural Network (2024) |
|  | Reviewer in International Conference on Networks, Image and Security ICNIS-2019 organised by Department of Information Technology on 10th and 11th April 2019 at Noorul Islam Centre for Higher Education, Kumaracoil. |
|  | Reviewer in ACCENTS Transactions on Image Processing and Computer Vision (TIPCV).  |

**International Visits during the period of 2018 -24**

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| **S. No.** | **Country Visited** | **Purpose of Visit** |
|  | Malacca, Malaysia | International Conference |

**Any Other Academic Achievements/Recognition during the period of 2018 - 24**

|  |  |
| --- | --- |
|  | PATENT: COMPACT MIMO ANTENNA FOR RADAR APPLICATIONS AND METHOD OF DESIGN THEREOF, The Patent Office Journal No. 51/2019 |
|  | PATENT: AN IOT AND MACHINE LEARNING BASED METHOD OF COMMUNICATING A DIGITAL MESSAGE WITH AN INFORMATION SIGNAL, The Patent Office Journal No. 06/2022 |
|  | PATENT: METHOD TO TRANSFER ELECTRONIC MEDICALBINFORMATION IN SECURE CLOUD ENVIRONMENT USING BLOCKCHAIN, The Patent Office Journal No. 10/2022 |
|  | BEST PRESENTER AWARD for the title “L / C / X Triple band compact dipole array antenna for RADAR application” at the First International Conference on Emerging Electrical Energy, Electronics and Computing Technologies 2019 (ICE4CT 2019) held at the NOVOTEL Hotels & Resorts, Melaka, Malaysia during 29-31 October 2019. |