FACULTYPROFILE

|  |  |  |
| --- | --- | --- |
| Nameofthe Faculty: | **Dr.M.V.N.Chakravarthi** |  |
| Designation: | **Assistant Professor** |
| Department: | **EIE** |
| Dateof Birth: | **25-07-1977** |
| AICTE– ID: | **1-425600668** |
| **Education** | * B.Tech in EIE from Bapatla Engineering College, Bapatla University/Institute in 2000.
* M.Tech in Digital Systems and Computer Electronics Specialization fromJNUTH,KukatpallyUniversity/Institute in 2008
* PhD in Signal Processing specialization from Acharya Nagarjuna University/Institute in 2023.
 |
| **Experience** | Teaching: 22 Years | Industry:\_\_\_\_Years | **Total: 22 Years** |
| Research: \_\_\_\_Years | Others:\_\_\_\_Years |
| **ResearchSpecialization** | **Time Interleaved ADCs** |
| **Courses taught**  | **1. Analytical Instrumentation****2. Microcontrollers****3.Transducers****4.Optoelectronics and Laser Instrumentation****5.Industrial Instrumentation****6.Digital Electronics****7.Microprocessors etc** |
| **Research contributions** |
| **International/national peer reviewed journals**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Title of paper** | **Journal** | **Year** | **Volume** | **pages** | **Indexing (SCI/WoS/ SCOPUS, Google scholar)** |
| **1** | Calibration of Offsets in Time-Interleaved ADCs in an OFDM Receiver Using Differential Evolution Algorithm | Optoelectronics, Instrumentation and Data Processing | **2021** | **57** | **287-296** | **SCOPUS** |
| **2** | Calibration of Mismatches in Time-Interleaved ADCs Using Teacher Learner-Based Optimization Algorithm. | Journal of Circuits, Systems and Computers | **2022** | **31(09)** | p.2250163 | **SCIE** |
|  **3** | Optimization Algorithms based compensation of mismatches in Time interleaved Analog to Digital Converters-A Review | International journal of electrical and computer engineering systems | **2022** | **13(3)** | **237-244** | **SCOPUS** |

 |
| **Bookspublished**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Title of the book** | **Publisher** | **year** |
| **1** |  |  |  |

**Book chaptersPublished**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Title of the Chapter** | **Book title** | **Publisher** | **year** |
| **1** | Estimation of sampling time offsets in an N-channel time-interleaved ADC network using differential evolution algorithm and correction using fractional delay filters | Machine Intelligence and Signal Analysis | **Springer Singapore** | **2019** |

Details ofPatents(Filed&Granted)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No. | Applications number | Title of the patent | Date of filing/publishing | Published/granted |
| 1 |  |  |  |  |

Details of Conferences/FDPs/STTPs/webinars/WorkshopsOrganized

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Name of the event | Role | Dates |
| 1 | Conducted Workshop on "Vital Technologies of Industrial Automation: PLC & SCADA" by M/s.Techmation Solutions, Hyderabad. | Coordinator | 04-01-2023 to 06-01-2023 |
| 2 | Workshop on PLCs | Resource Person | 14-02-2020 to 15-02-2020 |
|  |  |  |  |

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Name of the event | Organized by | Dates |
| 1 | 14th IEEE India Council International Conference (INDICON-2017) | IEEE, IIT Roorkee, India. | December 15-17, 2017 |
| 2 | International Conference on Machine Intelligence and Signal Processing, | IIT Indore, India. | December 22-24, 2017 |

Awards/recognitions/achievements

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Name of the Award | Awarding body/Society/Organization | Year |
| 1 | PhD | Acharya Nagarjuna University | January,2023 |

Details of project proposals submitted/sanctioned/completed

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| --- | --- | --- | --- | --- | --- |
| S.No. | Title of the Project | Funding body | Submitted/ Sanctioned/ Completed | Amount | Year/ duration |
|  | - |  |  |  |  |

Consultancy contribution

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Year | Amount | Details |
| 1 | - |  |  |

Student Project/research guidance

|  |  |  |
| --- | --- | --- |
| S.No | Level | Total number |
| 1 | UG |  Completed: 10 Ongoing: |
| 2 | PG |  Completed: -Ongoing: |
| 3 | PhD |  Completed: - Ongoing: |

Administrative experience

|  |  |  |
| --- | --- | --- |
| S.No. | Role | Duration (From – to) |
| 1 | I/C HOD | June,2023 to Till Date |

Research credentials

|  |  |
| --- | --- |
| Index/database | ID/Link |
| Google Scholar | https://scholar.google.com/citations?user=x9OQK6UAAAAJ&hl=en&oi=sra |
| SCOPUS | 57203500461 |
| Web of Science | HHZ-2159-2022 |
| Vidwan ID | https://vidwan.inflibnet.ac.in/profile/324401 |

Dr.M.V.N.Chakravarthi13-09-2023 |