FACULTYPROFILE

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| --- | --- | --- | --- | --- | --- | --- | --- |
| 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   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 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 | | | | | | | |