Fr. Milner Paul V

Assistant Professor, Electrical and Electronics Engineering

Educational summary

- Pursuing PhD from NIT Manipur
- M Tech in VLSI and Embedded System from National Institute of Technology Manipur - 2017 – 2019, CGPA: 7.94
- B Tech in Electrical and Electronics Engineering from Jyothi Engineering College Cheruthuruthy, Kerala - 2013 – 2017, CGPA: 6.87
- Diploma in Philosophy from Dharmaram College, Bangalore - 2010 – 2012, Percentage: 70%
- Plus Two, Computer Science from St. Aloysious Higher Secondary School, Elthuruth - 2006 – 2008 , Percentage: 70%
- High School, SSLC from Don Bosco Higher Secondary School, Irinjalakuda - 2004 – 2005, Percentage: 74.3%

Employment History

- 6 months Internship at Atoll Solutions Pvt Ltd, Bangalore
- 3 months project research at National Brain Research Centre(NBRC), Delhi
- 2 months project research at Saveetha Medical College, Chennai

Specialized trainings

- PCB design
- C++
- Embedded C
- Instrumentation

Research Details

- Patent – Trans Callosal Signal Bypassing & Neuromodulating Brain-Machine Interface – No. 201941002416 – Published.
- Patent - Brain Stitcher: A Compact Wireless Telemetry System to Assess the Behaviour of the Rodents No. 201841044368 – Published.
- Milner Paul V, et al. “Biomedical data visualization and clinical decision-making in rodents using a multi-usage wireless brain stimulator with a novel embedded design”,Predictive Modeling in Biomedical Data Mining and Analysis, Elseveir, 2022. (chapter)
- Milner Vithayathil, T Jarin, SR Boselin Prabhu and Ananth Kumar. “Critical Investigation and Prototype Study on Deep Brain Stimulations: An Application of Biomedical Engineering in Healthcare” Handbook of Deep Learning in Biomedical Engineering and Health Informatics; Taylor & Francis, 2021. (Chapter)
- Milner Vithayathil, T Jarin, SR Boselin Prabhu, George Athappilly, Milan Paul Richard Ningthoujam, Loitongbam Surajkumar Singh."Neural Proliferation Using Brain Stimulation Methods Intended for Pediatric Neuropsychiatric Population: A Hypothesis and Theoretical Study" TEST, March 2020.
- Milner Vithayathil, Ningthoujam, R., & Surajkumar, S. L. Embedded Based Solution for Intracortical and Intracranial Microstimulations for Assessing the Behavior of Rodents. Bangalore: IEEE, 2019. (Conference)
- Milner Vithayathil, T Jarin, SR Boselin Prabhu, Richard Ningthoujam, Loitongbam Surajkumar Singh. "Designing and Modelling of a Low-Cost Wireless Telemetry System for Deep Brain Stimulation StudiesRodents' IJST, January 2019.
- Milner Vithayathil, Paulson Mekkattil, Binoy Velliyath, Jarin T. “Low-Cost Wireless Telemetry System for Deep Brain Stimulation” IJSRR, vol. 7, 2018, pp 697 -702.
- B Tech Project (2013 - 17) – Brain Stimulator
- M Tech Project(2017 - 19) – Intracortical and Intracranial Microstimulator