Name & Affiliation

Dr. Madhushankara M

Associate Professor, Manipal School of Information Sciences,

Manipal Academy of Higher Education, Manipal

Research Experience

- Obtained his PhD in the year 2020 in the field of portable biomedical equipment
- The doctoral work involved in developing prototype for speech deprived which is later funded by prestigious Biomedical Device and Technology Development unit of DST, India.
- Keen researcher and academician in the field of VLSI Design.
- The novel work carried out led two Indian patent applications which are under examination.
- Below are the side and rear views of the prototype of electrolarynx developed with the help of DST grant.

Current Projects and Expertise

- Digital and mixed signal design and verification.
- Hands-on experience in state-of-the-art EDA tools from Cadence and Synopsys he is able to guide several major and minor projects.
- Domain expertise in ASIC, SoC, and FPGA design & implementation

Research interests

- Low power VLSI design
- Open source processor architecture and peripherals for portable devices
- Custom design using multigate MOSFET

Publication id

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