**LETTER OF RECOMMENDATION**

I take this opportunity to introduce one of my student Mr. KAPA ADHEESHWAR REDDY(EC21B1023) and recommend him for the graduate program at your university. As his faculty for Transmission lines and Wave Guides, Antennas and Wave Propagation, Microwave Electronics and MIC. I have been in touch with him during April 2022-July 2022. He performed very well in my course and was in the top 20% of the students. He extended the same performance and enthusiasm in other subjects also.

During the semesters, Mr. Kapa Adheeshwar Reddy frequently visited my office for further explanation of topics to thoroughly understand the material, which reflects his passion for deeply understanding the details. He also took immense interest in applying the concepts taught during my classes to solve problems discussed in other subjects. This demonstrates his capacity to grasp concepts and apply them to solve similar problems.

For his final year project thesis, I am mentoring him on a project titled **AI-Based Design for Frequency Selective Surfaces (FSS)**. I was impressed with his ability to apply machine learning techniques to predict and optimize the frequency response of FSS designs, effectively enhancing the design process with AI. Rather than relying solely on conventional design methods, he meticulously researched various AI and optimization algorithms, proposing new approaches to optimize FSS performance. The AI-based design framework developed by his group demonstrated improvements in achieving desired frequency responses, showcasing increased efficiency and precision.

Overall, I would rate his critical thinking, learning capacity and understanding of concepts to be very high. His quality to be self-motivated and ability to work independently makes him an apt candidate to pursue a career in research. I strongly recommend his admission to the Master's program at your university with any available assistantships.