With immense pleasure, I am writing to recommend and support Shakthi Thanigaivel's application to your esteemed university for a Master's program. I have known him since his 7th semester as his professor for "Technical Answers to Real-World Problems" and supervised his project on "Extended Reality Based Digital Twin System for Fifth Industry Revolution" in my capacity as his course instructor.

Throughout the coursework, he has managed to stay confident and showcase his talent with utmost diligence. He met the deadlines well under pressure and has done highly commendable research work in the given period. His academic background in Computer Science will give him an edge in understanding complex topics effortlessly. He is proactive in various fields of Human-computer Interaction and experience design. He is always motivated to learn new concepts and has shown great expertise in the project's technical and design aspects.

The course involved working on projects that can solve industry and real-world problems. Shakthi proposed the Digital Twin model for a Jet Engine and a Warehouse, and it intrigued me as it was one of the unique projects proposed for the coursework. Over the semester, he managed to do great research work, met tight deadlines, and impressed me with sound technical knowledge in XR Development and Real-time Data Integration with the Digital Twin model. The proposed model could enhance the operational efficiency of developing products and increase the quality of testing them virtually before it is out for manufacturing. He showed great prowess in finding and addressing the problem with an innovative solution and displayed excellent communication skills and good clarity in conveying the project's progress. The project is now pushed for a journal publication as well.

I have engaged with Shakthi in depth about his future goal and aspirations, and I am highly convinced that with his desire to learn every day and stay ahead of the curve. He can prove to be a prospective graduate student capable of achieving wonders and bringing innovative ideas and perspectives to peer groups and will be a great asset. I recommend you consider him for the opportunity to pursue the graduate program at your university. Feel free to contact me if you have any queries.

Sincerely,
Dr. Boominathan P
Associate Professor Grade 2
School of Computer Science and Engineering
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