**LETTER OF RECOMMENDATION**

To whomsoever it may concern

I am pleased to recommend Amay Tiwari, a very promising student, who aspires to pursue his Master’s degree at your university. In my capacity as the HOD of Electrical and Electronics, I have known him since 2016. During the course, he has interacted with me on several occasions. He is bestowed with a hard-working attitude and perseverance. I can assure you of his potential to excel in his graduate studies.

Amay has a strong desire to learn new concepts and techniques. I have taught him Numerical Technique Lab, and Neural Network and Fuzzy Systems in the Third and Fourth semesters. He is an active class participant and his contribution in discussions opened up a unique perspective on the concepts and topics. Having graded his academic performance, I noticed that his technical and problem-solving skills are definitely his forte. He is very good at perceiving concepts and applying them practically at laboratory classes. His ability to work well in a group as well as command in managing projects is commendable. Resolving each problem by accurately correlating it with the right concepts has always been an impressing ability in him.

Along the course, he evinced an excellent sense of perception about the basics which is an essential prerequisite for any student aspiring for graduate studies. He showcased technical abilities during his project on “Home Automation with Smart Centralized Mirror”, where he made a real time prototype of a home which was made fully automated; whether be it or the water tank storage or lights in the rooms, which was designed in a way to avoid wastage of electricity by motion detector sensors which would turn off lights automatically when there was no one in the room. He used Smart Mirror using RaspberryPie microcontroller programmed using Python language which acted as a mirror as well as a display which informed about the current usage of electricity in home, weather forecast for the day, top news headlines and a motivational quote/compliment to start one’s day. His strong conceptual understanding of the basics of programming was evident from his work.

He has also worked on two research papers both of which were published. The first one was on the Feasibility analysis for enhancement of output power of solar PV panel by use of Phase Change Material (PCM) based cooling technique. It was published in International Journal Malaya Journal of Matematik, Malaysia 2017. The other one was an RFID based student monitoring system using GSM & PLX-DAQ. It was published in the International Journal of Research in Engineering, IT and Social sciences (IJRESIS) in collaboration with the South-western Oklahoma State University (SWOSU) 2018.

Amay’s capabilities also extend into co-curricular and extracurricular activities, where his technical/managerial skills were highly appreciated, especially during the CIPECH IEEE India event. He carried forward a rhapsody in organizing event, hosting the guest Dr. Pat Wheeler from the Nottingham University to our campus and presenting completed as well as ongoing projects on various problem statements. His presentation and intrapersonal skills were instrumental in the successful organization of the event. It reflected his professionalism, and also, his team management skills. I have seen his acumen and I believe he will be able to carry forward all that he has learned to a bigger platform.

Along with his strong inquisition and technical skills, Amay is bound to make great strides in his course of study with able guidance on a challenging, intellectual platform that is offered by a university of your standing. I consider him most suitable to pursue graduate studies. Hence, I strongly recommend Amay’s candidature for admission at your institution.

Yours sincerely,

Neeraj Kumar Gupta

Head of Department

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