



Indian Institute of Technology Indore

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IIT Indore

Apr. 23, 2021

To
The PhD Selection Committee,
IIT Kharagpur

Subject: Letter of recommendation for **Mr Vinay**

Dear Committee members,

I have known Miss Vinay since the time of his induction into the MSc program in the Department of Biosciences and Biomedical Engineering (BSBE), Indian Institute of Technology (IIT Indore), since the year July 2019. I have known him as his course instructor for two courses “Advanced Molecular Biology” and “Applied Genetic Engineering” during both of which I found him a highly motivated, talented and conscientious student with a great capacity for work and innovation. He emerged as one of the best students I have taught till now in my academic career.

Vinay was always a top scorer in academics and an exceedingly bright student to teach. The focused, patient and persevering determination he showed during my courses were evidence of the qualities required for pursuing a career in scientific research. I noted him to be one of those rare students who can operate at advanced theoretical levels as well as be grounded to the practicalities of experimental possibilities. His strong point is logical reasoning and critical analysis of the data presented before him. He would not only emerge successful in the difficult concepts but then proceed to help his peers who were faced with any problems.

In the classes I taught, I always noticed him trying to go a little beyond the results and findings published in the research articles we used to discuss. In the “Journal Club” sessions which I used to conduct as a part of the course, I used to ask the students to pick any relevant research article and present the findings. Vinay would always try to suggest alternative methods or approaches to the research problem in the article and would also give excellent suggestions for carrying out the future plans discussed in the paper.

Vinay is an innovative student with a very clear vision about his projects. His master’s project was dealing with the development of OPAA enzyme-based fluorescence biosensors for the detection of hazardous pesticides and toxins, such as nerve agents. This project involves molecular cloning, protein expression as well as purification. Subsequently, he characterized the purified enzyme to develop biosensors. He has successfully completed his experiments and shown a keen interest in the project. A manuscript related to his master’s project will be submitted within a month. He is also a co-author for a review article that will be communicated within a couple of months.

Vinay is an extremely intellectual, sincere and unique, one of a kind student. He has a strong understanding of the basic concepts and along with his confidence and clear communication skill, he becomes an excellent candidate for this application. Vinay is one such deserving student who shows immense potential as a PhD scholar. I very strongly recommend his application for the PhD program at IIT Kharagpur.

Sincerely,

Dr. Prashant Kodgire
IIT Indore