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Sub: Recommendation letter for Mr. Syamlal S.K.

To Whomsoever concerned,

It gives me immense pleasure to write recommendation letter for Mr. Syamlal S.K. for pursuing doctoral studies in your prestigious institution/University. Mr. Syamlal is known to me from 2016. He is my project student who did his main project under my guidance for 1.5 years since 2016. He has graduated in June 2018, successfully.

When he came to me as a project student, he was very naive. However, his basic knowledge on quantum mechanics and statistical mechanics is very strong. His CGPA is around 8. He is one of the top 5% students in his class. He has done his project entitled "Understanding the solubility of selected gases using density functional theory (DFT)". In course of time, he quickly understood the problem and solutions that has been to be found out from the project. He has done modelling of gases, water molecules and gas-water clusters. He has carried out calculations using DFT package called, Gaussian16. In a way, he has become quite acquainted with modelling and simulations. In our group, we started this problem with atmospheric implications. Meanwhile, output analysis and results prediction has become very interesting. The results helped us to understand how different gases interact with water vapor in the atmosphere. The internal review panel members, and the external reviewers have appreciated his project work very deeply. Right now, we are preparing a manuscript based on the results and soon it will be communicated to a high impact factor international peer-reviewed journal. He is very sincere and dedicated towards his project. As a reward of his hard work, his project has been selected as one of three best projects in his batch. Also, he has been selected to visit Shizuoka university, Japan through Sakura exchange program during September, 2017 from our institution.

During the course of project, Mr. Syamlal's research attitude has developed enormously such that he came with new ideas. Those ideas were useful to take the investigations in a different angle. He really tastes the fruits of research and hence, he is very determined to pursue Ph.D. He is good in quantum mechanics, statistical mechanics & thermodynamics, mathematical physics, and electronics. His research interests are quantum physics, computational modelling and simulation, atmospheric physics, and nanotechnology.

Personally, I should say that he is a sincere, hard working, dedicated, diligent, motivated, and good hearted guy. His English proficiency is very good. As you know, a small spark is responsible for big fire. In a similar way, if we guide a good student, he will become a great scientist/great man in near future. Mr. Syamlal is ready for that. I wish him that he must be given an opportunity to prove his dedication towards research and do good to the society.

I wish Mr. Syamlal, a great future ahead. Thank you so much for giving me this opportunity.

With best regards and wishes,

A handwritten signature in black ink, appearing to be 'V.J. Surya'.

Surya