



भारतीय प्रौद्योगिकी संस्थान दिल्ली

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Letter of Appreciation

It gives me immense pleasure to write about Dr. T.Senthil Siva Subramanian, who finished his PhD under my guidance this year. I have known him for the last 7 years when he was carrying out his PhD in my research laboratory and under my guidance. I have had the pleasure of working closely with him as research supervisor.

For the first time I met him, I was impressed with his ambition to pursue research along with his job at Mathura. As a researcher he worked on various plasmonic nanostructures for the detection of hydrogen gas sensing in the sponsored projects supported by Ministry of Human Resource Development (MHRD) and Defense Research and Development Organization, Ministry of Defense, Government of India. He presented novel approaches of gas sensing using novel plasmonic nanostructures in his doctoral research. The doctoral research was based on various interesting numerical simulations for optimizing the parameters for highly sensitive detection. He made remarkable contributions by proposing novel materials and nanostructures for hydrogen gas sensing, which turn out to be promising research solutions for plasmonic detection of hydrogen gas. His research has culminated in the form of research publications in international journals and conferences. His work in the field of plasmonic gas sensing led to filing of an Indian patent for plasmonic hydrogen gas sensing by our team.

During his PhD work, he participated in several discussions and performed well on his research assignments. His perseverance and initiative made him complete his doctoral research from IIT Delhi, even though he was working in another institution.

Dr. Subramanian had been involved in various research activities at IIT Delhi prior to doctoral research in sponsored projects. He has versatile experience in teaching and learning. He also developed expertise in Industry 4.0 and Entrepreneurship/startups/incubation and innovations.

His ability to successfully complete his doctoral research along with his job and family responsibilities shows his drive to be a successful researcher in the future. I recommend considering him for research and teaching assignments in academic or research institutions.

(Dr. Anuj Dhawan)

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