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Director General

**राष्ट्रीय सौर ऊर्जा संस्थान**

(नवीन और नवीकरणीय ऊर्जा मंत्रालय, भारत सरकार का स्वायत्त संस्थान)

**National Institute of Solar Energy**

(An Autonomous Institute of Ministry of New and Renewable Energy, Govt. of India)

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**No. DG/Misc.**

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**TO WHOMSOEVER IT MAY CONCERN**

I feel delighted to express my ideas and thoughts about the successful career potential of Dr. Senthil Siva Subramanian who is associated with Sharda Group of Institutions.

Dr. Senthil has been in my association for more than 10+ years since the launch of Jawaharlal Nehru National Solar Mission where he participated in the launch event. Since then, he has been actively involved in various renewable energy initiatives, activities and forums. Latter I found that he has been carrying his Doctoral research at IIT Delhi especially in the field of hydrogen gas sensing.

Dr. Senthil has carried out extensive research work on hydrogen gas sensing using numerical modeling. Such approaches are valuable in scientific research and also, he has thus proven good competence in his scientific approach. The volume of the work reported by him is substantial with the original contributions on the design of the plasmons based hydrogen sensors. Due to his good research outputs as well as his scientific skills, it is recommended that the developed hydrogen gas sensor will find tremendous application centric. In fact, the tangible outcomes of his research have culminated in the form of Indian patent being filed jointly by IIT Delhi and DRDO.

Also, he has been discussing about the possibilities of implementation of such hydrogen technologies where I found uniqueness and high value product and process developments. In addition, I could say that his thoughts on executing hydrogen sensing technique were highly exceptionally insightful.

At National Institute of Solar Energy, he was also actively involved in our Hydrogen Production, Storage, Distribution and Dispensing project for running the hydrogen driven vehicles.

I wish him a great success in all endeavors and also recommend his candidature for any industries, research laboratories and academic institutions / Universities.

  
[Dr. Arun K Tripathi]

Director General