



Dr. Arun K. Tripathi
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)

गुरुग्राम—फरीदाबाद मार्ग, ग्वाल पहाड़ी, गुरुग्राम—122 003, हरियाणा, भारत
Gurugram-Faridabad Road, Gwal Pahari, Gurugram - 122 003, Haryana, India

No. DG/Misc.

Date : 10.08.2021

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.

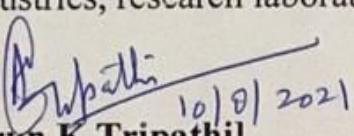
Dr. Senthil has been in my association for more than 10+ years since the launch of Jawaharlal Nehru National Solar Mission where he participated in the launch event. Since then, he has been actively involved in various renewable energy initiatives, activities and forums. Latter I found that he has been 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



Organised by



Mentorship and Execution Partner



CERTIFICATE

Of Appreciation

T. Senthil Siva Subramanian

This is to certify that _____
was Nodal Officer in the StartUP Express 2018 organised by Government of Uttar Pradesh
in collaboration with iB Hubs at _____ Hindustan College of Science and Technology, Mathura
on _____ 07-05-2018 .

Abhay Singh
Managing Director
Uttar Pradesh Electronics Corporation

Ravi Teja D
Chief Operating Officer
iB Hubs, Uttar Pradesh

राष्ट्रीय उत्पादकता परिषद्

(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार के अन्तर्गत)

उत्पादकता भवन ५-६, इन्स्टीट्यूशनल एरिया,
लोदी रोड, नई दिल्ली-११० ००३



NATIONAL PRODUCTIVITY COUNCIL

(Under Ministry of Commerce & Industry, Govt. of India)

Utpadakta Bhavan, 5-6, Institutional Area,
Lodi Road, New Delhi - 110 003

To

Jan 4, 2022

Dr. T. Senthil Siva Subramanian
Head Institute Industry Interface Program
Sharda Group of Institutions Mathura

Dear Sir

Season's Greetings 2022!!

I take this opportunity to share my experience and thoughts in this letter regarding your expertise and accolades.

I could remember way back in 2020 when the Asian Productivity Organization [APO], Tokyo Japan has floated the International Project on **TRANSFORMING MANUFACTURING STRATEGIC CASE STUDIES IN FIVE MEMBER COUNTRIES**.

You have been selected as National Expert from APO and National Productivity Council for executing the international project on Industry 4.0.

I must appreciate your diligence and exemplary efforts in carrying out the project successfully on Manufacturing Transformation of Industry 4.0 in Indian MSMEs as National Expert from India. It was a commendable work in executing the project especially during the Covid-19 that required lot of ground work for the project. You have made remarkable contributions especially, the case studies of different medium and large enterprises who have successfully implemented the disruptive technologies of Industry 4.0 in India.

APO has released the proceedings for 5 member countries and the report was prepared well with your deep insights, ideas, concepts and contributions to Industry 4.0 by India.

I'm sure that, the work would showcase the capabilities of our Nation in successfully implementing the National policies of Industry 4.0 such as Samarth Udyog Bharat 4.0.

Further to the above we have been in joint coordination to carry out the case studies of implementation of Collaborative Robots in Indian MSME. You have been successfully coordinating with Indian MSMEs such as SMEW Textile Machinery, Gujarat, New Engineering Works, Jamshedpur. I'm confident that the case studies will prove the strength of the Indian MSME through the deployment of Industry 4.0 technologies.

I would be delighted to work in collaboration with your expertise thereby we both would be able to produce tangible results.

Regards,

Mayank Verma

Assistant Director

International Services Division, NPC



डॉ. एच. पुरुषोत्तम
अध्यक्ष एवं प्रबंध निदेशक
Dr. H. Purushotham
Chairman & Managing Director

दूरभाष/Phone : +91-11-29241212, 29240401
फैक्स/Fax : +91-11-29240409, 29240410
ई-मेल/E-mail : cmdnrdc@nrdc.in
वेबसाइट/Website : www.nrdcindia.com

नेशनल रिसर्च डिवेलपमेंट कारपोरेशन

[वै.ओ.अनु.वि. का उद्यम, विज्ञान एवं प्रौद्योगिकी मंत्रालय भारत सरकार]

National Research Development Corporation

[An Enterprise of DSIR, Ministry of Science & Tech., Govt. of India]

20-22, जमरूदपुर कम्पूनिटी सेन्टर, कैलाश कालोनी एक्सटेंशन, नई दिल्ली-110048 भारत
20-22, Zamroodpur Community Centre, Kailash Colony Ext., New Delhi - 110 048 INDIA

No.NRDC/CMD-Sect./0346/2015

20th November, 2015

Sub.: Letter of Appreciation

Dear Mr. Subramanian,

Thank you very much for taking the initiative to connect NRDC with Hindustan College of Science & Technology (HCST) (Sharda Group of Institutions) Mathura and facilitating signing of Memorandum of Agreement (MoA) between the institutions. The MoA formally provides an opportunity for NRDC to transfer IP/Technologies developed by HCST to industry in the process both the institutions will get benefitted mutually.

I express our deepest appreciation to you for your initiatives and warm support you rendered to National Research Development Corporation, Department of Scientific & Industrial Research, Govt. of India in Signing MoA with Hindustan College of Science & Technology, Mathura on November 13, 2015.

This is a significant accomplishment for both the institutions that undoubtedly required the dedication and your cooperation. It is a tribute to your talent and your hard work.

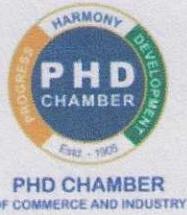
I wish you all success in for your future endeavors.

With warm regards,

Yours sincerely,

(Dr. H. Purushotham)

Mr. T.Senthil Siva Subramanian
Asst. Prof – Electronics & Instrumentation Engg
Hindustan College of Science & Technology
Farah, Mathura



January 25th, 2022

Dear Dr. T. Senthil Siva Subramanian,

**Request to be a Member as a Special Invitee in the
PHDCCI Environment Committee**

I am pleased to inform you that the Environment Committee of PHD Chamber of Commerce and Industry has been reconstituted under the Chairmanship of **Dr. J P Gupta**, Managing Director, Unithinx Enterprises Pvt. Ltd and Co- Chairmanship of **Dr. J S Sharma**, President, Indian Association for Air Pollution Control, **Mr. Mahendra Rustagi**, President, Pioneer Polyleathers Ltd. and **Dr. C P Kaushik**, Member, Advisory Committee, Knowledge & Awareness Mapping Platform (KAMP), CSIR-NISTADS for the year 2021-22.

The Environment Committee is one of the important Committees of the Chamber. It also comprises of a Think Tank "Hari Dharti - Neela Akash". The Think Tank is an exclusive platform encompassing community peers from India & abroad including Nobel Laureates and person of eminence in the area of climate change. It takes an active role in dissemination of government policies, spreading awareness with respect to pollution prevention and control including climate change mitigation, etc. It has also been working for industrial transformation and advanced multi-stakeholders' initiatives to promote sustainability, resilience and performance into a variety of socio-economic systems.

The Think Tank of Environment Committee, PHD Chamber in partnership with Invest India organized the **International Climate Summit- 2021: Powering India's Hydrogen Ecosystem** on 3rd September, 2021, New Delhi in association with Ministry of Environment, Forest & Climate Change, Department of Scientific & Industrial Research and the Department of Science & Technology, Ministry of New & Renewable Energy, Power, Petroleum & Natural Gas, Coal and MSME, Government of India. Innovation Norway was a country partner for the summit. Green Stat Asia Norway, Gexcon India Hydrogen Pvt. Ltd., Norway, Arena H2 Cluster Norway, India Hydrogen Alliance and TERI were the knowledge partners of ICS 2021.

The Summit was a precursor to the 26th Conference of Parties (COP) held in Glasgow and witnessed participation of more than 30,000 registered delegates worldwide ranging from Nobel Laureates to technical experts.

I am desired by Chair/Co-Chair, Environment Committee to invite you to be a member of the Committee as a **Special Invitee**.

I am sure, together, we will be able to take PHDCCI to greater heights and serve the Members better, besides creating a new landmark for PHDCCI as a National Apex Chamber.

I look forward to receiving your acceptance at the earliest.

With best regards,

Yours sincerely,
Kanchan Zutshi
Sr. Secretary
M- 9818778399

Dr. T.Senthil Siva Subramanian
Head - Institute Industry Interface Program
Sharda Group of Institutions (Agra & Mathura)



SUPRAJIT ENGINEERING LTD.
59-A to F, Noida Special Economic Zone,
Phase-II, Noida District,
Gautam Budha Nagar - 201305,
Uttar Pradesh, India
+91 120 4012222 | phoenixlamps.co.in

REF: PLD/SEL/2022/01/59A-F/202
DATE: January 27, 2022

To
Dr. Senthil Subramanian
Sharda Group of Institutions, Mathura

Greetings!!

Phoenix Lamps is part of Suprajit Group which comprises of *Suprajit Engineering Limited*. Phoenix Lamps Division (formerly known as Phoenix Lamps limited, as part of Halonix Limited) is India's largest manufacturer of Automotive Lighting bulbs. Capitalizing on technologically superior state-of-the-art manufacturing plants, Phoenix caters to the growing needs of our products in the Aftermarket and Original Equipment Manufacturer (OEM) market.

First of all Suprajit congratulate Hindustan College of Science & Technology, Mathura for celebrating silver jubilee for successfully completing 25 years of strong academic excellence thereby delivering quality education to the society.

I must mention few lines about the association of Suprajit Group with Hindustan College of Science & Technology, Mathura. It all started with the string of discussions and interaction with Dr. Senthil Siva Subramanian, head institute industry interface, who played a vital role in the association.

I feel great honor to appreciate the remarkable contribution of Dr. Senthil for his committed gestures in the talent acquisition of the students from Hindustan College. Dr Senthil has been coordinating well in connecting our industry with the placement especially from the starting of screening process to the quality selection of the students.

Our industry has successfully selected 3 students from Hindustan College. It takes a great pleasure to share unique skills and quality of the students from Hindustan. Our industry found the knowledge and deeper insights with right attitude and aptitude in the students.

It has been more than 3+ years the students have been delivering quality results with great commitment and dedication to our industry. It clearly indicates the academic excellence and the teaching, learning pedagogy of the Hindustan College, Mathura.

In fact, last year during Covid-19 with the tireless efforts of Dr. Senthil, Suprajit signed Memorandum of Understanding with Hindustan College to further strengthen the relationship.

We thank Dr. Senthil and Hindustan College for the excellent support and cooperation thereby adding the talent values to our industry.

We wish the success of students of Hindustan College, Mathura!!

for SUPRAJIT ENGINEERING LIMITED
[Signature]
SURANDER KATARIA
AVP- CORPORATE HR



CERTIFICATE OF APPRECIATION

National Board for Quality Promotion

(A constituent board of Quality Council of India)

This is to certify that

Mr. Senthil Siva Subramanian

has successfully conducted a training program organised by NBQP
on

**“Collaborative Robots (COBOTS) &
Automated Guided Vehicles (AGVs): Ubiquitous Disruptive
Technologies for New Age Smart Factory”**

on 29th August 2020.

Certificate No : QCI/2020/WEB/290820

Quality Council of India, 2nd Floor, Institution of Engineers Building, 2, Bahadur Shah Zafar Marg, New Delhi - 110002. | Email : info.nbqp@qcin.org


C.K. Biswas
CEO, NBQP

To

Dr. T. Senthil Siva Subramanian
Head Institute Industry Interface Program
Hindustan College of Science & Technology
(Sharda Group of Institutions Mathura)

August 13, 2021

Sub: Letter of Recommendation

Greetings

With immense pleasure I have the privilege of mentioning about Dr. Senthil who was associated with me and Semiconductor Complex Laboratory, Department of Space, Government of India.

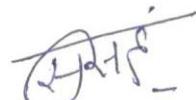
I remember his visit to SCL for project discussion that led to my visiting Hindustan College of Science & Technology for a Nanotechnology Conference. Dr. Senthil coordinated the conference very well.

I also had the opportunity to learn the regular updates from Dr. Senthil who has been keenly involved in inclusive academics at Hindustan College and scientific research at IIT Delhi.

He has been organizing regular research visits for the students of his parent institution that has opened new research avenues for the engineering students.

I appreciate his inquisitive learning approach and efforts towards implementing innovative technology as well as adapting best practices of educational pedagogy at his institution.

He has commendable contribution to his academics & research and recommend him for any academic, research institution or industrial organizations for growth in his career.



(Surinder Singh)

Director, SCL

सुरिन्दर सिंह / Surinder Singh
निदेशक / Director
सेमी-कंडक्टर लैबोरेटरी
Semi-Conductor Laboratory
अंतरिक्ष विभाग, भारत सरकार
Department of Space, Govt. of India
सैकटर-72, सा.आ.सि. नगर-160071, पंजाब, भारत
Sector-72, S.A.S. Nagar-160071, Punjab, INDIA

भारत सरकार
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
सूक्ष्म, लघु एवं मध्यम उद्यम-विकास संस्थान
34, औद्योगिक आस्थान, नुनिहाई,
आगरा-282006



Govt. of India
Ministry of Micro ,Small & Medium Enterprises
Micro, Small & Medium Enterprises
-Development Institute
34, Industrial Estate, Nunhai,
Agra-282006

Ph.: 0562-2280879, Tel. Fax: 0562-2280882 Email-dcdi-agra@dcmsme.gov.in

Feb 7, 2020

Letter of Excellence

Dear Mr. T.Senthil Siva Subramanian

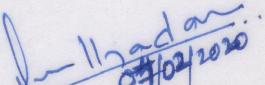
Greetings!!

On behalf of MSME-Development Institute Agra, O/o DC MSME, Ministry of Micro Small & Medium Enterprises, Govt. of India, I take this opportunity to thank you for your presence as invited speaker and conducted the excellent session on entrepreneurship for the students at the **Industrial Motivation Campaign** organized by MSME-DI, Agra on Feb 6,2020.

It was an enormous undertaking but went smoothly and efficiently. Your skill in talking about different angles of the subjects such as entrepreneurship, incubation centre and startups was highly appreciated by those representing all sides. You have covered all the essential elements of entrepreneurship and startups through live examples and your description on how to execute it is remarkable. Your views on making young entrepreneurs have broadened the horizon of aspiring budding students.

We would like to thank you for such a wonderful talk and hope to get a chance to hear from you such an enlightening and entertaining speech for the students.

Regards


(Indrajeet Yadav)
Dy. Director

(इन्द्रजीत यादव)
(Indrajeet Yadav)
उपनिदेशक / Dy. Director
(एम. एस. एम. इ. विकास संस्थान)
MSME Development Institute
भारत सरकार, आगरा
Govt. of India, Agra



Shriram Institute For Industrial Research

(A Unit of Shriram Scientific and Industrial Research Foundation)

Dr. Bhupesh Sharma
Scientist & Manager, TBI

Ref.No.SRI-TBI/HCST/18-19/02

Date: 20th May, 2018

Sub: MoU on joint programs on entrepreneurship, training and consultancy in the field of Incubation & R & D.

Dear Mr. Subramanian,

This letter is to acknowledge and complement of your outstanding effort in bringing two Institutions on one platform and facilitating in taking initiatives to execution of Memorandum of Understanding between Shriram Institute of Industrial Research and Hindustan College of Science and Technology (HCST), on May 18th, 2018 at Mathura. We hope to implement joint programs for promotion of entrepreneurship, training and skill development with your coordination in near future. Your exemplary commitment in implementing the task was remarkable and well appreciated, specially while visit to various departments and summarizing activities of HCST was indeed a great experience for us.

You may be aware that Shriram Institute for Industrial Research (SRI) as an independent, not-for-profit and self-supporting contract research Institute, which was founded in 1950 by Late Sir Shri Lala Shriram, an industrialist, philanthropist and a man with a great vision. SRI undertakes Research & Development activities in the field of material sciences, analytical sciences, life sciences, toxicology, pharmacology & radiation processing technologies.

We would also like to inform you that Shriram Institute -Technology Business Incubator (SRI-TBI) centre, which is running at Shriram Institute, Delhi in the association of Department of Science and Technology, Govt. of India. The SRI-TBI is functioning as a technology incubation center providing services to the entrepreneurs in the fields of waste management, Energy from waste, specialty chemicals, rubber and plastics. The mandate of SRI- TBI is to promote, develop and multiply entrepreneurs and in turn impart substantial impact on the growth of indigenous industry.

The purpose of MoU is to promote Technology Business Incubation (TBI) among the students fraternity thereby fostering idea generation, innovation and research in different domains of engineering and technology. We strongly believe that this MoU will open new avenues for both the Institutions.

We look forward in making this venture mutually beneficial.

With best regards,

(Dr. Bhupesh Sharma)

Mr. T.S.S.Subramanian
Asst. Dean - Resources Mobilization & Planning
Hindustan College of Science & Technology
Farah, Mathura



Delhi : 19, University Road, Delhi
PIN : 110 007 **P.B. No.** 2122
Tel.: 27667267, 27667860, 27667436
Fax: 91-011-27667676, 27667207
E-mail : sridlhi@vsnl.com

Branch Office : 14-15, Sadarmangla
Industrial Area, Whitefield Road
Bangalore - 560 048 **Fax :** 91-080-28410189
Telephone : 080-28410165, 28410172
E-mail : sribglr@vsnl.com

Visit us at <http://www.shriraminstiute.org>



सर्वानन्द
Ministry of Commerce & Industry
Government of India

— CERTIFICATE — OF APPRECIATION

This is to certify that

T. SENTHIL SIVA SUBRAMANIAN

has played an important role in promoting entrepreneurship
during the Startup India Yatra organised by
Startup India Hub, Invest India in collaboration
with the Government of Uttar Pradesh & iB Hubs


Sanjiv Saran

Additional Chief Secretary,
Department of IT & Electronics


Deepak Bagla
MD & CEO,
Invest India


INVEST INDIA
NATIONAL INVESTMENT PROMOTION AND
FACILITATION AGENCY



**START
IN UP**



#startuindia



यूपी इलेक्ट्रॉनिक्स कारपोरेशन लिमिटेड

U.P. Electronics Corporation Limited

(A U P GOVT. UNDERTAKING)

Registered Office : 10. Ashok Marg, Lucknow-226001 Ph. 0522-2286808, 2286809, 2286816, 2288750, 4130301-25 Ext. 301 to 325, Fax : 0522-2288583

E-mail : md@uplc.in, uplcko@gmail.com Website : <http://www.uplc.in> //UP Electronics Corporation Limited @UpElectronicsCo

सन्दर्भ : यूपीएलसी:स्टार्टअप नीति 2017

दिनांक: मार्च, 2019

०६-०६-२०१९

श्री टी. सैन्थिल शिवा सुब्रामण्यम,
हेड इन्स्टीट्यूट इण्डस्ट्री इन्टरफेस प्रोग्राम,
शारदा ग्रुप ऑफ इन्स्टीट्यूशन,
एच० नं० 23, प्रतीक्षा इन्क्लेव, 100 फीट रोड,
दयालबाग, आगरा-282005

विषय: श्री टी० सैन्थिल शिवा सुब्रामण्यम को मेन्टर्स के पैनल में सम्मिलित किये जाने के सम्बन्ध में।

महोदय,

कृपया "उ०प्र० सूचना प्रौद्योगिकी एवं स्टार्ट-अप नीति-2017" के अन्तर्गत श्री टी. सैन्थिल शिवा सुब्रामण्यम, हेड इन्स्टीट्यूट इण्डस्ट्री इन्टरफेस प्रोग्राम, शारदा ग्रुप ऑफ इन्स्टीट्यूशन को मेन्टर्स के पैनल में सम्मिलित किये जाने हेतु प्रस्ताव का सन्दर्भ ग्रहण करने का कष्ट करें।

2 श्री टी. सैन्थिल शिवा सुब्रामण्यम, हेड इन्स्टीट्यूट इण्डस्ट्री इन्टरफेस प्रोग्राम, शारदा ग्रुप ऑफ इन्स्टीट्यूशन, उद्योग के क्षेत्र में एक अनुभवी व्यक्ति हैं, जिन्हें मेन्टर्स के पैनल में सम्मिलित किये जाने का सुझाव प्राप्त हुआ है। श्री सुब्रमण्यम बोइंग इन्कारपोरेटेड यू.एस.ए., भारत हैवी इलेक्ट्रिकल्स, डी.आर.डी.ओ., आईआईटी दिल्ली और आईआईटी कानपुर के साथ अनुसंधान एवं विकास परियोजनाओं पर कार्य कर चुके हैं। उन्हें अटल इन्नोवेशन मिशन, नीति आयोग द्वारा मेन्टर ऑफ चेन्ज के रूप में चुना गया है और जी.डी. गोयनका पब्लिक स्कूल, आगरा में मेन्टर हैं। श्री सुब्रमण्यम को "उ०प्र० सूचना प्रौद्योगिकी एवं स्टार्ट-अप नीति-2017" के अन्तर्गत मेन्टर्स के पैनल में सम्मिलित किया जाना प्रस्तावित है।

3 नीति कार्यान्वयन इकाई द्वारा चर्चा उपरान्त श्री टी. सैन्थिल शिवा सुब्रामण्यम को "उ०प्र० सूचना प्रौद्योगिकी एवं स्टार्ट-अप नीति-2017" के अन्तर्गत मेन्टर्स के पैनल में सम्मिलित किये जाने पर अनुमोदन प्रदान किया गया। उक्त नीति के अन्तर्गत उन्हें नियमानुसार मेन्टरशिप सहायता अनुमन्य होंगी। निर्देशित किया गया कि इस सम्बन्ध में औपचारिक पत्र निर्गत किया जाये।

4 उपरोक्त से सहमति की दशा में स्वीकृति-स्वरूप, इस पत्र की द्वितीय प्रति अपने हस्ताक्षर एवं मुहर सहित निगम को वापस करने का कष्ट करें।

संलग्नक: यथोक्त।

भवदीय,

(कुमार प्रशान्त)
प्रबन्ध निदेशक

प्रतिलिपि : अपर मुख्य सचिव, आईटी एवं इलेक्ट्रॉनिक्स विभाग, उत्तर प्रदेश शासन, लखनऊ को कृपया सूचनार्थ प्रेषित

(कुमार प्रशान्त)
प्रबन्ध निदेशक



प्रौद्योगिकी सूचना, पूर्वानुमान एवं मूल्यांकन परिषद् (टाइफैक)

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार)

विश्वकर्मा भवन, ए विंग, शहीद जीत सिंह मार्ग, नई दिल्ली – 110016 (भारत)

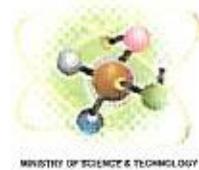
दूरभाष : (91) 011-26592600, 42525600, 26887764 फैक्स : (91) 011-26861158

TECHNOLOGY INFORMATION, FORECASTING AND ASSESSMENT COUNCIL (TIFAC)

(DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA)

VISWAKARMA BHAWAN, A- WING, SHAHEED JEET SINGH MARG, NEW DELHI-110016 (INDIA)

Telephone : (91) 011-26592600, 42525600, 26887764, Fax : (91) 011-26861158



To

04 July 2021

Dr. T Senthil Siva Subramanian

Sharda Group of Institutions

Greetings!!

I draw your attention to mention few lines of appreciation regarding my interactions and observations during the association with you for more than 4+ years.

It started with your invitation for me during the Government supported Faculty Development program on Electric Vehicle Technology at your institution.

Further to the program you have been involved in different projects regarding the disruptive technologies of Industry 4.0. You have successfully carried out International Project on Digital Transformation of emerging technologies in Indian MSMEs, I must say that your inclination and dedicated commitment with countless efforts on implementation of Industry 4.0 technologies adds high values to the smart manufacturing.

TIFAC is one of the premier organizations which has set vision for propagation of Industry 4.0 technologies across different sectors.

Your self-learning and successful best practices of Industry 4.0 technologies in industrial setup bring forth technological and business values. Your diligent commitment in implementation of smart factories is the need of the hour in the industrial domain. Also, you have strong technology connect with different partners that showcase your technological updates and strengths. You truly stand out to be the industry 4.0 leader and prove to be beneficial to any industries who is in look out for the implementation of digital transformation technologies. Your ability to work through unforeseen challenges and collaborate so well with market leader of emerging technologies receive great amount of advantage to any organization.

I strongly recommend your vision to become unique leader in executing cutting-edge technologies for any industrial sector.

With Best Wishes,

A handwritten signature in black ink, appearing to read "Sardar" above a date "04-07-2021".

Arghya Sardar

Scientist F & Head, Technology Foresight for Automotive R&D, TIFAC



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(Established by Government of Tamilnadu)
Directorate of Technical Education Campus, Chennai - 600 025

Phone : 044 - 2230 1428
Telefax : 044 - 2230 1552

Web : www.tanscst.nic.in
E-mail : ms.tanscst@nic.in/enquiry.tanscst@nic.in

DR. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S. (USA).
Member Secretary

TO WHOMSOEVER IT MAY CONCERN

I'm delighted to say few committed and dedicated achievements obtained by Dr. T.Senthil Siva Subramanian who is heading the Institute Industry Interface Program of Sharda Group of Institutions, Mathura.

It has been inspiring regarding the accolades of Dr. Senthil who has been pioneering in innovation on different science and engineering fields especially on hydrogen gas sensing which has been his research topic in Doctoral Research. It sounds great to understand his strong research on hydrogen which stood outstanding with international publications and also filing Indian patent by IIT Delhi jointly with DRDO.

It was also impressive to understand his innovation especially the health care instrumentation – Digital Spirometer which is under technology transfer by Biotech Consortium India Limited, an enterprise of Department of Biotechnology, Govt. of India.

In addition, he has been astounding with his competency to successfully carryout several research projects from premier institutions that requires huge amount of time, patience, exercise, data analytics, deep learning and studies on technology and financial fronts and updates on emerging technologies as well.

I could mention that this achievement strongly show case his remarkable career progressiveness with high zeal and achieving a big realistic dream with great vision. He has been keen with passion to deliver several key note session on industry 4.0 technologies and technological innovation as subject matter and resource expert on various Government of India forums, academic institutions and universities both national and international.

I truly acknowledge and appreciate his commendable work with success in research journey and wish him success with high recommendations for him to any institution, research organization and industry.

01.02.2022



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்
1/2/22

Member Secretary



Ministry of Education
Ministry of Information and Broadcasting
Ministry of MSME



Ministry of Women and Child Development
Ministry of Commerce & Industry
Ministry of Textiles



CERTIFICATE

Primary Evaluator

This Certificate is awarded to

T Senthil Siva Subramanian

for exceptional contribution as a Primary Evaluator in
'Toycathon, 2021'.

Prof. Anil Sahasrabudhe

Chairman
AICTE

Dr. Abhay Jere

Chief Innovation Officer
Ministry of Education Innovation Cell

Dr. Mohit Gambhir

Innovation Director
Ministry of Education Innovation Cell

डॉ. वि. कामेश्वरा राव

निदेशक

Dr. V. KAMESWARA RAO

Director

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: +91-7893912626

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vepakrao@gmail.com



हैदराबाद विश्वविद्यालय

University of Hyderabad



प्रतिष्ठित संस्थान

INSTITUTION OF EMINENCE

राष्ट्रीय अवृत्तांग, वैश्विक मानक

National Needs, Global Standards

उच्च ऊर्जा पदार्थ उन्नत अनुसंधान केंद्र
(अक्रहम)

डीआरडीओ सेंटर ऑफ एक्सेलेंस, दक्षिण कैपस,

पि.ओ. केंद्रीय विश्वविद्यालय, हैदराबाद विश्वविद्यालय,

प्रो स्ट्री.आर.राव रोड, गच्चीबोवली, हैदराबाद - 500 046, तेलंगाना, भारत.

Advanced Centre of Research in High Energy Materials

(ACRHEM)

DRDO Centre for Excellence, South Campus, P.O. Central

University, University of Hyderabad, Prof. C.R. Rao Road,

Gachibowli, Hyderabad - 500 046, Telangana, India.

11th Jan 2022

To

Dr. T.Senthil Siva Subramanian

Hindustan College of Science & Technology, Mathura

Dear Dr. Subramanian,

I am writing this letter to show my heartfelt appreciation for your distinguished contribution to your academic and research career.

Today, I looked back 6 years ago when I was working as Scientist in Defence Research and Development Establishment, (DRDE), Gwalior during which you invited me as key note Vision speaker for the National Conference on nanotechnology at your institution in Mathura. It was a great gathering of eminent scientists, academic experts you have invited, who delivered the research composition in the event.

I take this opportunity to share my recognition for your coordination in organizing such an event on emerging technological research adding values to the scientific community. It was well coordinated by you. This shows your keen interest and strong interpersonal scientific skills.

I remember that we had scientific discussions over phone. I must congratulate you for successfully getting awarded PhD degree from IIT Delhi. It was commendable job and remarkable contribution to the scientific research especially from Institute of Eminence (IoE), IIT Delhi.

Having come to know, I'm astonished and highly impressed with your outstanding research deliverables at IIT Delhi in addition to your regular job responsibilities at Hindustan College, Mathura. One needs lot of patience, perseverance, dedicated discipline and strong commitment which was practiced by you.

I'm sure your PhD work along with your zeal shall add values to your academic and research career.

At this instant let me share few facts about Advanced Centre of Research in High Energy Materials, University of Hyderabad which is an interdisciplinary research Centre working towards understanding of theoretical/experimental aspects in the areas of Physics, Chemistry, Mathematics & Statistics of processes, Photonics/Electronics instrumentation involved in High Energy Materials

I understand that your research expertise being energy nano materials, nano fabrication and novel nano structures along with nano-photonics technology, is also of interest to us. We can discuss and whenever you come Hyderabad, you may visit our laboratory.

I wish you best of luck.

With Warm Regards

DIRECTOR



DEPARTMENT OF PHYSICS & ENGINEERING

04/16/2022

RE: Letter of Support for Dr. T.Senthil Siva Subramanian, Head Institute Industry Interface Program (Sharda Group of Institutions, India)

To Whom It May Concern

My name is Mohammad Maktoomi and currently, I am an assistant professor of Physics and Engineering at the University of Scranton, PA. I do research in the area of radio-frequency (RF)/microwave circuits and systems design with a focus on wireless communication, space, and Internet-of-Things (IoTs) applications.

It is a pleasure to write this letter to strongly support Dr. Subramanian, whom I have known for over a decade. Specifically, I worked with Dr. Subramanian while employed by the Hindustan college of science and technology, Mathura, India, and since then we have always been in contact. Currently, Dr. Subramanian serves as the head of the Institute Industry Interface Program for the Sharda Group of Institutions. He has versatile experience in Industry 4.0 technologies and has been involved in various Government of India and International assignments on the manufacturing transformation of industry 4.0 technologies.

It is always interesting to have discussions and interactions with Dr. Subramanian who has a strong academic and research background. I am very impressed by his excellent oral and written communication skills and his ability to easily work with others. His popularity among his senior and junior teammates is a testament to his interpersonal skills.

He has done commendable research work at IIT Delhi that led him to his Doctorate degree. We all know, it is not easy to complete a Ph.D. from reputable institutions like IIT Delhi with a full-time job and a family to take care of. Dr. Subramanian accepted this challenge and went through rigorous training at IIT Delhi to successfully obtain his Ph.D.

I am very impressed with his research work and therefore, I invited him to deliver a talk at the University of Scranton, USA, via zoom. He delivered a talk on Collaborative Robots (Cobots). Students found the talk to be very interesting and motivating. In fact, Dr. Subramanian's presentation also covered the background of Industry 4.0 technologies and the growing graph of disruptive technologies in the Indian MSMEs. Dr. Subramanian diligently presented the case studies of the implementation of Cobots in Indian MSME.

I wish him great success in all his endeavors, and I recommend him highly without any reservation. It will be my privilege to keep collaborating with him. Please feel free to reach out to me should you have any questions.

Sincerely,



Dr. Mohammad A. Maktoomi
Physics and Engineering Department
The University of Scranton
204 Monroe Ave
PA 18510
Email: mohammad.maktoomi@scranton.edu
Phone (O): 570-941-7508

Virtual Lab Cell (VLC)



Dr. A. P. J. Abdul Kalam Technical University,
Uttar Pradesh, Lucknow
Sector -11, Jankipuram Extension, Lucknow
email: vlc@aktu.ac.in

Ref: AKTU/VLC/2020/004

Date: 09 June 2020

To,

T. Senthil Siva Subramanian
Head Institute Industry Interface Program
Sharda Group of Institutions, Mathura

Subject: Regarding Scrutiny of the mapping of AKTU experiments with those available on virtual lab portal.

Dear Sir,

Warm Greetings from Virtual Lab cell!!

Virtual lab cell, Dr. A. P. J. Abdul Kalam Technical University has done the mapping of AKTU syllabus experiments with available virtual lab experiments. You have facilitated with your active, prompt and commendable response in successfully completing this work and we appreciate your contribution in this work.

We look forward for your involvement in the virtual lab cell works in future.

(Prof. S. P. Shukla)
Chair

Copy to:

1. Staff Officer, Hon'ble Vice Chancellor, AKTU, Lucknow

(Prof. S. P. Shukla)
Chair



Dr. Kantesh Balani

Professor & Head, Advanced Centre for Materials Science
Principal Investigator, Virtual Labs @ IIT Kanpur
Department of Materials Science and Engineering
Indian Institute of Technology Kanpur,
Kanpur-208016, INDIA
Ph: +91-512-259-6194, Email: kbalani@iitk.ac.in
Web: <http://home.iitk.ac.in/~kbalani/>



Nov. 30, 2021

Letter of Appreciation

To

Dr. Senthil Subramanian

Hindustan College of Science & Technology, Mathura

Greetings!!

On behalf of the **Materials Advantage** @ IIT Kanpur and **Virtual Labs** @ IIT Kanpur, I appreciate your amazing work on the Virtual Labs development as a **Mentor** and also as a **coordinating member** for the several **eBOOTATHON** series organized by *IIT Kanpur* in collaboration with *REC Banda* and *AKTU*, program especially the *online Virtual labs* showcase for the program “**Azadi Ka Amrit Mahotsav**”.

Your professionalism reflects in the countless hours that you have put into the **Virtual Lab** project to ensure its continued success in taking giant leaps and immensely helping the students and faculty alike. This highlights your **strong leadership skills, technical expertise, unfettered hardwork, dedicated commitment** and with a flavor of **patience!** This has impressed the entire team. Your self-motivation, dedication and diligence are an inspiration for any team you work with.

Wishing you success in all your current and future endeavors.

with best regards


Type text here
(Dr. Kantesh Balani)



An MOE Govt of India Initiative



CERTIFICATE OF APPRECIATION

is awarded to

Prof. /Dr. /Mr. /Ms. T. Senthil Siva Subramanian

of Hindustan College of Science & Technology, Mathura

for his/her active role as Nodal Coordinator for Virtual Labs IIT Delhi.

Date: 21st January 2022

A handwritten signature in blue ink that appears to read "Bhalla".

Prof. Suresh Bhalla
Principal Investigator
Virtual Labs IIT Delhi



Skill India
कौशल भारत - कुशल भारत



યુક્ત કાર્ડમાં આપેનાની સીટી આંક



CERTIFIED MASTER TRAINER

This is to certify that

Dr. T. Senthil Siva Subramanian

S/o (Late) Dr.S.Thangavelu

has successfully cleared the assessment as

Master Trainer

for the Qualification Pack of *Industrial Automation Specialist (IASC/Q8005)*

Training period 18-Jan-2021 to 22-Jan-2021

Ajay Bhushan (CEO)

(Instrumentation Automation Surveillance & Communication Sector Skill Council)



Skill India
कौशल भारत - कुशल भारत

N·S·D·C
National
Skill Development
Corporation
Transforming the skill landscape

CERTIFIED TRAINER

This is to certify that

T Senthil Siva Subramanain (PAN Number - BPNPS9372A) with Trainer ID - TR135393

has successfully cleared the assessment as

Trainer with Grade 'B'

for the Qualification Pack of Trainer (MEP/Q2601)- v1.0

conforming to National Skill Qualification Framework Level - 5

Date of Issue: 11/09/2020 | Valid Upto: 11/09/2022



TOT/MEP/Q2601V1.0/180920/TR135393/26223

MEPSC
Management & Entrepreneurship
and Professional Skills Council

Sunil Kant Munjal
Chairperson
Management & Entrepreneurship and
Professional Skills Council





Skill India
कौशल भारत - कुशल भारत

N·S·D·C
National
Skill Development
Corporation
Transforming the skill landscape

CERTIFIED MASTER ASSESSOR

This is to certify that

T Senthil Siva Subramanian (Aadhaar No - XXXXXXXXX8794) with Assessor ID - AR26726

has successfully cleared the assessment as

Master Assessor

for the Qualification Pack of **Industrial Automation Specialist (IAS/Q8005)- v1.0**

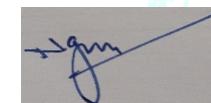
conforming to National Skill Qualification Framework Level - 5

Date of Issue: 20/10/2020 | Valid Upto: 20/10/2022



TOMA/IAS/Q8005V1.0/091220/AR26726/32397

IASC
SECTOR SKILL COUNCIL
एक कदम आत्मनिर्भरता की ओर



Nagendra Goel

Chairperson

Instrumentation, Automation,
Surveillance & Communication Sector Skill
Council



THE NATIONAL INSTITUTE FOR ENTREPRENEURSHIP AND SMALL BUSINESS DEVELOPMENT (NIESBUD)

(Ministry of Skill Development and Entrepreneurship, Government of India)

OLN/17455/20-21/024-(2020/74562/7)

CERTIFICATE



This is to certify that **Mr. T SENTHIL SIVA SUBRAMANIAN** has successfully completed the online **Trainer's Training Programme on Employability, Entrepreneurship and Life Skills** conducted by The National Institute for Entrepreneurship and Small Business Development from 27 October 2020 to 30 October 2020

Poonam Sinha
(Dr. Poonam Sinha)
Director

Signature valid

Signed By:POONAM
SINHA
Date:06.11.2020 16:03

(06 November 2020)
Issue Date



Certificate valid for two (02) years from the date of issue