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VASANTDADA SUGAR INSTITUTE
Manjari (Bk.) Tal. : Haveli, Dist. : Pune - 412 307, Maharashtra, India.

Invited talk of Dr. Rajendra Shende, Founder Director, Green Terre Foundation and former Director, United Nations Environment Program, Paris on topic entitled “Technology 1.0 To 5.0: Did we forget Technology 0.0?”

Scope: To collaborate & linkage with Dr. Shinde through invited talk on topic entitled “Technology 1.0 To 5.0: Did we forget Technology 0.0?”

Details: The invited talk was given by Dr. Rajendra Shende on 11th May 2023 on National Technology Day. VSI invited Dr. Rajendra Shende who has worked on the global stage and is now working for inspiring the youth through the 'Smart Cloud Campus Network'. The function began with the lighting of the lamp by Dr. Shende, the Director General and others. Dr. Deepali Nimbalkar introduced the speaker.

Dr. Shende delivered a talk on ‘Technology 1.0 To 5.0: Did we forget Technology 0.0?’ He initiated his talk by explaining about the development of technology from 1.0 to 5.0 and how the pace of technological development has grown exponentially. He cautioned about the dangers of artificial intelligence as a part of technology 5.0 and said that nature was much more advanced than most of the technological developments made by man. Infact, many technological developments have been inspired by nature. He gave examples of the dung beetles accurate movements and carrying load many times more than its body weight, perfect ventilation in huge termite nests/ant holes etc. which were inspiring development of today. He also explained part of his work on solar energy and development of solar vaccine cooler. His talk was very well received the staff and students of VSI. The function ended with vote of thanks by Dr. Preeti Deshmukh.

Invited talk by: Dr. Rajendra Shende, Founder Director, Green Terre Foundation and former Director, United Nations Environment Program, Paris.

Participants: All students from Environmental science courses, WBAT & Institute staff


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Maharashtra, India.

Sambhaji Kadupatil IAS (Retd.)
DIRECTOR GENERAL

VSI/DG/2023/ 1421 -

May 04, 2023

Dear **Dr. Shende**,

The National Technology Day is celebrated on **11th May** every year to mark India's technological advancements. The day is crucial for engineers, technologists, scientists and others who are engaged in nation building.

This day is celebrated in VSI every year for motivating our scientists, engineers, technologists, researchers, students and other staff to instil within them the scientific temper and awareness about the various technological developments that are taking place in the country and across the globe.

Considering your contribution to the field of climate change mitigation and applications of solar energy as well as your distinguished work with the United Nations Environment Program, we would be honoured and delighted should you be gracious to accept our invitation for the National Technology Day function scheduled on Thursday, 11th May, 2023. We would also be happy if you could spare some time to have a round of our laboratories and address the gathering on a topic preferred by you.

The tentative programme of National Technology Day is as under:

02.00 p.m. to 03.00 p.m.	Visit to various laboratories by Guest of Honour
03.00 p.m. to 04.30 p.m.	Address to Scientists, technical personnel and Staff members
04.30 p.m.	Departure

I am enclosing herewith VSI's Information Brochure and Annual Report for your information.

With warm regards,


Yours sincerely,

(Sambhaji Kadupatil)

Encl : As above

Dr. Rajendra Shende

Founder Director
Green TERE Foundation,
320-321 Pandit Aajgaonkar Society,
Khandoba Mal, Bhugaon
Taluka: Mulashi, District: Pune 412115


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National Technology Day

Technology thrives in every area right from agriculture and healthcare to application and food services. National Technology Day is celebrated on May 11 every year to commemorate the achievements of scientists, researchers, engineers and all others involved in the field of science and technology. At VSI, we have celebrated this special day by organizing a lecture of an eminent scientist or researcher on a subject of interest every year. The subjects have ranged from applications of biotechnology to nanotechnology, technology transfer, supercomputing, intellectual property rights etc. The Technology Development Board of the Ministry of Science & Technology declared this year's theme as "School to Startups-Igniting Young Minds to Innovate". In keeping with the theme, VSI invited Dr. Rajendra Shende, Founder Director, Green Terre Foundation and former Director, United Nations Environment Program, Paris who has worked on the global stage and is now working for inspiring the youth through the 'Smart Cloud Campus Network'. Mr. Sambhaji KaduPatil, Director General (DG), VSI, presided over the program.

The function began with the lighting of the lamp by Dr. Shende, the Director General and others. Dr. Deepali Nimbalkar introduced the speaker. She mentioned that he is an international expert on Sustainable Development, Green Economy, Climate Change, Energy, Ozone Layer Protection and Food

security. He was Coordinating Lead Author of Inter-governmental Panel on Climate Change (IPCC) that shared Nobel Peace Prize in 2007 with Al Gore. After the introduction, the Director General felicitated Dr. Shende and addressed the audience. He explained the background of the National Technology Day and the 3 events that happened on May 11, 1998 which laid the foundation for this day being declared as national celebration.

Dr. Shende delivered a talk on 'Technology 1.0 To 5.0: Did we forget Technology 0.0?' He initiated his talk by explaining about the development of technology from 1.0 to 5.0 and how the pace of technological development has grown exponentially. He cautioned about the dangers of artificial intelligence as a part of technology 5.0 and said that nature was much more advanced than most of the technological developments made by man. Infact, many technological developments have been inspired by nature. He gave examples of the dung beetles accurate movements and carrying load many times more than its body weight, perfect ventilation in huge termite nests/ant holes etc. which were inspiring development of today. He also explained part of his work on solar energy and development of solar vaccine cooler.

His talk was very well received by the staff and students of VSI. The function ended with vote of thanks by Dr. Preeti Deshmukh.



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