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Consciousness 2020

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Dayalbagh Educational Institute (Deemed University)

# DEI news

May-August 2020 No. 41

## Dayalbagh Science of Consciousness 2020



Dayalbagh Science of Consciousness, organized in Virtual Reality mode, was attended (through video conferencing) by 242 attendees, which included Keynote Speakers, Oral and Poster presenters. The Conference was also live streamed on the e-Satsang cascade network of Dayalbagh and on the You Tube with 9661 and 86584 passive participants respectively, with a sum total of approximately 100,000 participants from 19 countries.

The Vision Talk by the Most Revered Chairman of the Advisory Committee on Education, Dayalbagh, Prof. Prem Saran Satsangi Sahab, titled Dayalbagh Science of Consciousness : Towards Evolutionary Art, Science and Engineering of Consciousness, was the guiding beacon of the Conference.

The Visionary opening remarks by the Revered Chairman “...we are here in Dayalbagh which is having its own concept of 'Better Worldliness'. So, we do not believe that one should give up the activities of the world so as to pursue the meditation, i.e., meditational techniques. We, in fact, promote what we call ultratranscendental technique of meditation and we have now titled it as 'Dayalbagh Science of Consciousness'” has laid a strong foundation for the future course of research,

deliberations and discussions in formal forums.

The Panel Discussion clearly brought out that the external world which is within the reach of conventional domains of science and the other sciences like humanities and social sciences, which deal with society and community, should interact with one another for the advancement and creation of new domain for the benefit of the subscribers through different paths. It was further emphasized by the Revered Chairman that human intelligence was a physical reality, which arose from the brain and that the Radhasoami Reality is physical, which we experience in this world. He further clarified that we harness the supercomputers to establish these physical realities, and contrary to the prevailing notion among the elites, we firmly believe that the power of artificial intelligence and virtual reality can be harnessed to be subservient to the Reality.

It is noteworthy to mention that the DSC 2020 was a net zero expenditure conference with every aspect from designing of website to hospitality, conference kits and mementos which were planned and executed by the students and faculty members of the various B.Voc programmes.

Through consensus building, it was decided that the 3rd International Conference on the Dayalbagh Science of Consciousness (DSC2021) would be held on the 21st May, 2021 and will be co-hosted by the CAU Kiel with Prof. Anna Horatschek and Prof. Anand Srivastava as the organizers. Dr. Apurva Narayan from the University of Waterloo has extended



his support to be the Co-organizer. The host of the Conference will be the Dayalbagh Educational

Institute and the Radhasoami Satsang Sabha (Sponsoring Body of DEI).



## MIT COVID-19 Challenge—“India : Turning the Tide”

The Massachusetts Institute of Technology (MIT) **COVID-19 Challenge** is a series of virtual hackathons where multi-disciplinary teams collaborate to develop innovative solutions that can help address the COVID-19 crisis. The most recent event in this series was with a focus on India with the title “India: Turning the Tide” organized from August 28 to 30, 2020.

The mega event consisted of more than 1500 participants selected from a large applicant pool, 300 mentors and 50 judges and an organizing team comprising of a mixed group of MIT current and former affiliates and others from around the world.

The hackathon comprised identification of problem, team formation and solution building in the following ten broad tracks :

**Track A :** Supporting marginalized communities confronting the pandemic

**Track B :** Delivering access to quality education in rural and semi-urban areas in times of the pandemic

**Track C :** Addressing key challenges faced by micro, small, and medium-sized enterprises (MSMEs)

**Track D :** Best utilization of government and private funds to reactivate the informal economy

**Track E :** Developing new ways to deliver care in a COVID-19 and post COVID-19 world

**Track F :** Strengthening coordination across healthcare institutions (public and private) to build a robust ecosystem

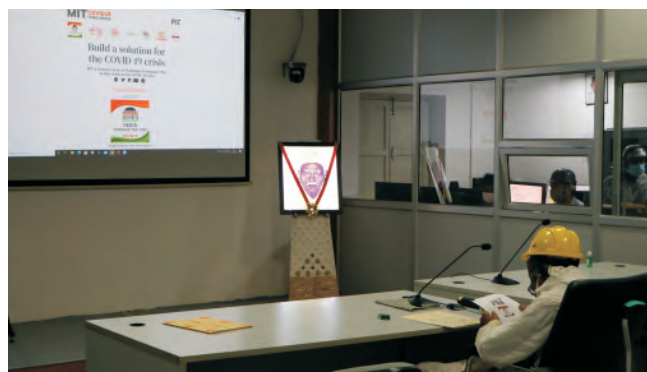
**Track G :** Ensuring safety & well-being of frontline workforce & healthcare practitioners

**Track H :** Providing mental health support resources

**Track I :** Highlighting and communicating COVID-19 information that is scientifically accurate

**Track J :** Combating poor quality control and fraud during the pandemic

The event also had keynote speeches and panel discussion from the following : Mr. Sanjiv Mehta, President, Unilever South Asia, Dr. Soumya Swaminathan, Chief Scientist, World Health Organization,



Ms. Shradha Sharma, Founder and CEO, YourStory, Mr. Pankaj Sahni, CEO, Medanta, Mr. Amitabh Kant, CEO, NITI Aayog.

**It is heartening to report that five teams from Dayalbagh Educational Institute participated. Following two teams were declared winners in track E & J.**

**TRACK E : Developing new ways to care in a COVID 19 and post COVID- 19 world**

**Proposed Problem :** Educating, connecting the COVID patients in rural India through a gamification-based app to serve as a self-learning platform for creating smart health habitat for efficient management and control,

**Team Members :** Krishnananda Soami Daya, Dayalbagh Educational Institute, India, Surojit Banerjee, AWS Solutions, California, Biswajit De, AT&T, Californi, Teesta Banerjee, Director of Strategy, Merc, USA.

**Proposed solution :** COVID-19 management in rural India, a saga of steep shortage of resources with 57% PHCs operating with 1 doctor, 5 % operating with no doctors and incidence data available only from 50% districts, presents untapped opportunity to turn the COVID tide by educating and engaging the rural community using gaming strategy for getting relevant data to inform and prepare potential consumers of the data to take well informed decisions. We propose to tap and address the biggest





challenge of the COVID 19 Pandemic, the evading rural COVID patients, through mobile app, based on gamification and to connect them to the frontline Health Care Workers (HCW).

Low network penetration is another biggest challenge in the rural area, for which we (Dayalbagh Educational Institute) have prior experience through a project, where we partnered with BSNL, the National telecom provider in India, in designing and implementing customized lean, green, low CapEx, smart and opportunistic network in the deep tribal forest of Madhya Pradesh. These proof of concept networks, to everyone's surprise has become the highest revenue making cell cite in that cluster.

As an end point deliverable, we propose to chase the evading rural COVID patient through CoVAX-i a gamification based app to the HCWs and doctors on the Doctors @ home (which was developed as part of the previous hackathon) for efficient management and control through the indulgence of communities and stakeholders. This app will serve as platform for self-learning even in the post

#### **Track J : Combating poor quality control and fraud during the pandemic**

**Problem Statement :** There is an absence of a reliable centralized system for reporting and managing whistleblower/complaints.

**Team : Prateesh Satsangi,** Former IT Business Analyst currently a student and practitioner of Agriculture. (DEI-MBA agriculture)

**Kush Kumar,** Robotics and Artificial Intelligence Student (B.Voc.), **Amolly Gupta,** Analytics Consultant (Alumni DEI), **Fatema Hirani ,** Communication Designer, **Zestha Patra,** Computer Science Student, **Pranav Teegavarapu,** NLP enthusiast Student.

In present day world our citizens find that there is no centralized place where they could raise a complaint if they see a fraud or counterfeit products around, that too in a safe manner, keeping their identity safe. We are working on a product WhistleWinds, which could solve this problem with the use of technology.

This product will empower the population, giving the capability to be a whistleblower in their hands, anyone would be able to raise a complain using simple chat services like SMS, WhatsApp,

while keeping their identity safe. Using AI technology, the complaints would be categorized, prioritized and send to the appropriate authorities, resulting in minimal human intervention and faster turnaround time.

This will help greatly in early detection of fraud and counterfeit activities, stopping the loss of life and minimizing the financial loss due to such activities. This will also help authorities and agencies to create insights in fraud trends and take preventive measures appropriate and customized to the fraud and the geography of occurrence.

Other participating teams were : Dayalbagh System of Management (Track G) : Prof D Bhagwan Das, Dr Vijay Kumar, Prof K Hans Raj, Prof. A.K.Saxena, Sh Parman Joshan.

Dayalbagh System of Management (Track B) : Prof K.Maharaj Kumari, Prof.Sanjeev Swami, Mr. Bhuvan Nigam, Mr Shailendra Pachauri, Mr. Mayank Chhabra, Ms. Sneha Singh.

Dayalbagh System of Management (Track A) : Dr. Anoop Srivastava, Dr. Dayal Pyari Srivastava, Mr. Karan Narain, Mrs. Mukti Sri-Narain, Dr. Bani Dayal Dhir, Mr. Arsh Dhir, Master Sant Su Dhir (Date of Birth : 3-8-2016, date of joining of Superman Scheme : 24-8-2016), Miss Dayal Anupama Nyari (Date of Birth : 15-3-2019, date of joining of Superman Scheme : 30-5-2019), Mr. Dheeraj Kumar, Miss Radha Dhir (Date of Birth : 9-10-2013, date of joining Superman Scheme : 5-1-2017), Miss Nyar Dhir (Date of Birth : 13-8-2018, date of joining Superman Scheme : 14-11-2018).

The DEI celebrated its moment of jubilation in the *fields* on 1<sup>st</sup> September 2020 where the Director of the Institute briefed about the competition. On this occasion Chairman, Advisory Committee on Education, Revered Prof. P.S. Satsangi Sahab showered his ambrosial blessings in the following words: *"I Bless you all for grand success in the trust reposed by the nation internationally on NGT (Nominal Group Technique), AHP (Analytic Hierarchy Process) and other such Consensus Building Techniques which are in favour of alleviating the least, the last, the lowest and the lost to their proper status in life and even beyond, i.e. ,the Grandest of the Salvation Process"*. The celebration came to an end with distribution of *Prasad* to one and all present there.



## Independence Day Celebrated at DEI



Dayalbagh Educational Institute has always served as the guiding beacon for the society in all sorts of difficult times. Unfazed by the threats of Covid-19 Pandemic, not only the Institute has managed to run its academic session on time, it has also been able to find safe ways of organizing important events. The recently organized Independence Day is an evidence of this fact.

Amidst all safety precautions like wearing masks and keeping social distance, the 74<sup>th</sup> Independence Day of India was celebrated with tremendous zeal and spirit of nationalism. Although only a representative number of officials, Staff, Students and Guests were physically present on the DEI grounds, the event was organized in such a thoughtful manner that the day became a memorable one. Shri Prem Prashant, President of DEI Institutions, was the Chief Guest on this occasion. After the ceremonial presentation of the Guard of Honour, the Tricolour was hoisted, followed by the March Past by the contingents representing different segments of DEI. In his address, the Chief Guest spoke about the importance of freedom and also explained the concepts of social and spiritual independence.

Prof. PK Kalra, Director of the Institute, while addressing the gathering, exhorted that education liberates all of us in multi-dimensional fashion. Therefore, it is critical and crucial to ask questions especially in view of recently released National Education Policy, *i.e.*, What do you mean by the term “Truly Educated?” He also asked the students to understand the difference whether “You are on the side of God or God is on your side?” Quoting from the speech of the former President of USA, Abraham Lincoln, Prof. Kalra urged the gathering “to do all which may achieve and cherish a just and lasting peace among ourselves and with all humanity.” He also inspired the young students to become the torch bearers in contributing towards creating a climate of trust and faith in the world.

The Programme ended with awarding of shields to the winners of the March Past Competition, where the award of Girls' category was taken by the students of Prem Vidyalaya and the Boys' category award was shared by the students of Technical College and Engineering Faculty. A Tree-plantation ceremony was also organized, where saplings were planted amidst the presence of all dignitaries.

## Faculty News

### Faculty of Arts

- Dr. Bani Dayal Dhir, Department of English Studies, delivered an invited talk on the topic, "Tagore's Poetic System Gitanjali: A Systemic Devotional Voyage" on 22 May, 2020 at DSC-2020, 2nd International Conference on Dayalbagh Science of Consciousness, Dayalbagh, Agra.

### Faculty of Education

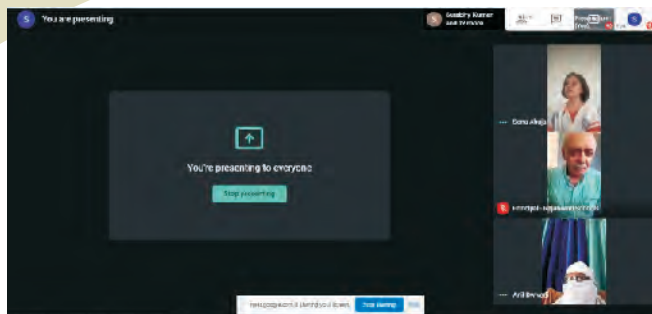
- A webinar on ADOBE Spark was organised on 30th April 2020 by the School of Education, DEI to help educators learn Adobe Spark to foster Digital Literacy and Creativity Skills of the students and learn the art of Digital Storytelling. DEI and Prof Nandita Satsangee, Coordinator, School of Education were present to motivate the participants and also actively participated in the hands-on session

themselves. The Webinar was organized by Ms Mugdha Sharma, Faculty of Education.

- The Internal Quality Assurance Cell (IQAC) and the School of Education, DEI (PMMMNTT), in collaboration with ELSEVIER organized a One Day Online Workshop entitled 'Enhancing Research Communication Skills through Science Direct and Mendeley' on 3rd May, 2020. The expert of this online workshop, Mr. Vishal Gupta, South Asia ELSEVIER introduced the teachers and scholars with the scientific process along with services and functioning of Science Direct and Mendeley.

- A Webinar on Online Teaching Platforms was organized on 07 May 2020 from 11.45 am to 1.15 pm by Faculty of Education, DEI in which twenty five in-service School Teachers and Principals from Delhi, Agra, Timarni and Rajaborari participated.





- A Two-Day National Online Workshop on 'Cognitive and Meta Cognitive Strategies of Knowledge Acquisition' was organized on 2 and 3 June 2020 from 11.30 am to 1.00 pm under the patronage of School of Education, Faculty of Education,

#### Staff News :

- Dr Amit Gautam acted as Resource Person for two sessions on “Tools for Online Teaching” and “Online Evaluation Softwares” in the one week online Faculty Development Programme for Assistant Professors organized by University School of Education, Guru Gobind Singh Indraprastha University (GGSIPU) on the theme Design and Development of MOOCs and e-Learning Technologies on 15 May 2020. He acted as Keynote Speaker and delivered a lecture on Relevance of Online Education in COVID 19 Pandemic in a one day National Webinar organized by Department of Teacher Education, Shri Lal Bahadur Shastri Degree College Gonda, UP on 17<sup>th</sup> May 2020.

- Dr Sona Dixit acted as Resource Person in National Webinar on Effective Progressive Lifestyle in period of Covid-19 Pandemic organised by Dayanand Women's Training College, Kanpur on June3, 2020 and delivered a lecture on Psychological Wellbeing and Progressive Lifestyle in the Present Time.

- Ms Mugdha Sharma, Faculty of Education, acted as Resource Person for a session on ‘Planning Your Virtual Classroom’ in Faculty Development Programme organized by FICCI Future-X Professional from 25 May to 29 May 2020.

## Faculty Of Engineering

#### Staff News :

- Prof. D.K. Chaturvedi delivered a lecture in webinar on Virtual Power Lab in FDP on e-learning and Recent Trends in Electrical Engineering on 20<sup>th</sup> May 2020 at Amity School of Engineering and Technology, Amity University, Noida. He also delivered a webinar on Covid19 and virtual Labs at Hindustan College of Science and Technology, Farah, Mathura on 2 June 2020.

- Dr. Rajeev Kumar Chauhan delivered an

Invited Talk in Webinar on Smart DC Micro-grid Solutions for Remote Areas Electrification organized by Central University of Haryana, Mahendargarh and developed a Video Lecture Series on Power Sources and Loads in Microgrid. The lecture Series covered the topics on Basic Electrical Engineering, Electrical Machines, and Key Challenges and Solutions in the area of the Solar System and Battery Bank.

## Faculty of Social Sciences

#### Staff News:

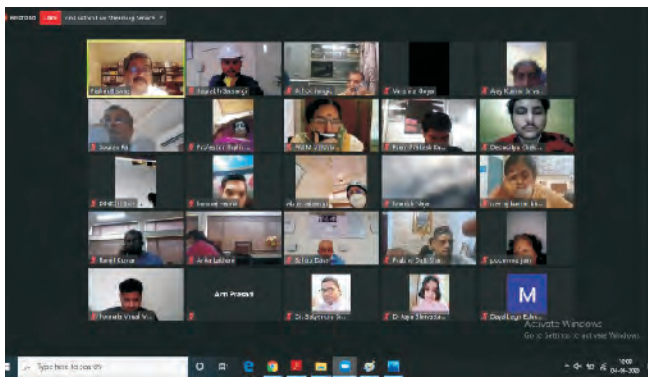
Prof. Sanjay Bhushan was invited to participate as Subject Expert, Focus Group Discussion on Web (Zoom), involving Policy Makers and Executives at Population Council of India, Indian Habitat Centre, New Delhi on 13 April, 2020. He was also appointed to serve as a Consultant by Population Council of India (PCI), New Delhi on the project entitled “Evaluation of UDAAN Programme”, being implemented in the State of Rajasthan. Prof. Bhushan will be involved in conducting a systems dynamics modelling (SDM) to estimate the number of child marriages and teenage pregnancies averted by the UDAAN intervention. The UDAAN intervention aims to reduce adolescent fertility. He was also Resource Person for FDP programme at Department of Management Studies via Zoom Webinar 2020, J. C. Bose University of Science and Technology, YMCA, FARIDABAD for May-June 2020.

## Faculty of Science

#### Webinar on “Climate, Health and Sustainability”

A Webinar on “Climate, Health and Sustainability” was organized by Department of Chemistry, on 4 June, 2020 on the eve of World Environment Day.

In the Webinar Prof. Pratim Biswas, Chair, Department of Energy, Environment and Chemical Engineering, Washington University in St. Louis, USA delivered an exemplary talk on “COVID-19 and the SARS-COV-2 Virus: Airborne Transmission. How it happens, How it infects & How can we stay safe?” Prof. Sourav Pal, Director, IISER, Kolkata was the Chief Guest. He gave a lecture on “Computational Chemistry, Application and Fate of Nanoparticles” and highlighted the role and applications of Computational Chemistry in addressing environmental challenges. Prof. R. Gurunath, from IIT Kanpur delivered a talk on “Fate of an Organic Pollutant: Story of *N, N*-Dimethylformamide and highlighted its environmental aspects. Prof. Shyam Lal, Emeritus Professor, Physical Research Laboratory, Ahmedabad spoke on the effect of Lockdown on Pollution Levels by his talk on “Scenario of Trace Gases in India during the Lockdown Period” and Dr. S. Suresh Babu, from Space Physics Laboratory, Vikram



Sarabhai Space Centre, Thiruvananthapuram, Kerala emphasized the role of Atmospheric Aerosols on Climate through his talk on “Aerosols and Climate”.

**Staff News :**

**Invited Talk**—Dr. Dayal Pyari Srivastava, Department of Physics and Computer Science, delivered an invited talk in The second International

Conference on Dayalbagh Science of Consciousness, DSC2020, organized by DEI and Radhasoami Satsang Sabha held in online mode on May 22, 2020 on the topic "Intuition, Emotionally Aesthetic Experience, and Effect of Meditation from Early Childhood: Some Research Initiatives".

**Students' Achievements**

**1) Single Author Paper**

M. Mebin Panamkuttiyiel Saumain, BSc II Year (Physics and Mathematics) published a single author paper on Generalized Expression for the 9th Integration of Transcendental and Non-Transcendental Functions” in International Journal of Mathematics Trends and Technology (IJMTT) Volume-66, Issue-1, Year of Publication: 2020.



**M. Mebin P. Saumain**

**NCC News**

NCC Cadets are taking part nationwide in Exercise NCC Yogdaan, a programme run by NCC Headquarter, New Delhi. The purpose of this nationwide drive is to extend help and evolve NCC cadets in rendering various service activities like, awareness drives, traffic control, data base management, distribution of ration, masks, etc on the request received from local administration. It is worth mentioning that 51 cadets (Highest No. in NCC Agra Group) of DEI volunteered to take part in the noble cause with their parents' consent also.

NCC cadets of DEI took part in a three day

awareness drive from 15 to 17 April, 2020, organised by 1UP Battalion NCC, Agra. This drive was organised on the request of CEO, Agra Cantonment Board, Agra to spread the message of social distancing and ‘stay home, stay safe’ is the only cure in this pandemic, in and around the residential locations under Agra Cantonment Board jurisdiction. Cadets also distributed masks and demonstrated the right way to wear mask and its disposal. The cadets displayed self-made posters and chanted self-written slogans on the go.



**NSS Activities**

**World Environment Day 2020**

World Environment Day 2020 was observed by Volunteers, Staff and Officers of NSS Cell of the Institute with zeal and enthusiasm in virtual mode amid Covid19 pandemic. In line with this year's theme “Biodiversity”, a variety of programmes were organized by the National Service Scheme which include: Plantation of Sapling at one’s own place, Online Quiz on ‘Environment & Ecology’ to spread awareness of Environment Sensitivity, Video Blog/Message Contest and Poster and Slogan competition.

**Glimpses of World Environment Day 2020 Celebration**

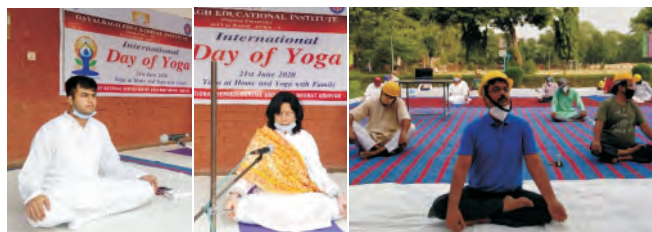




A large number of volunteers and staff of the Institute participated in the above-mentioned programmes. Students of the Institute residing in different parts of the country planted saplings at their respective places and submitted photographs to the office. Students prepared posters and slogans on the theme of Biodiversity with the idea of spreading the message of importance of Environment quality for sustainable future. The response to Online Quiz was huge and more than 1300 attempts were made by students and staff of various universities and institutions across India. E-certificates were issued to those who scored at least 60 per cent marks.

### International Day of Yoga

Amid Covid-19 pandemic and keeping this year's theme for the Yoga Day - "Yoga@Home and Yoga with Family", sixth edition of the International Day of Yoga was celebrated in the Institute on 21 June, 2020 with limited number of participants on the campus maintaining social-distancing and all other



Covid 19 safety protocols. A large number of students, faculty and staff participated in the event through digital media platforms like DEI NSS You Tube Channel and DEI NSS Facebook live streaming. Deputy Director, Social Welfare Department, Government of Uttar Pradesh, Shri Ajay Veer Singh graced the occasion as the Chief Guest at the venue and Ex Pro-Vice Chancellor, Dr. B. R. Ambedkar University, Agra, Professor R C Sharma joined online as Guest of Honour through Google link.

### Participation in Yoga Mahotsav

It is worth mentioning here that the NSS volunteer Ms. Anjum Nisha, Faculty of Social

Sciences won 2<sup>nd</sup> prize in National Level Article Writing Competition organized as a part of Yoga Mahotsav organized by Department of Tourism, Government of Uttar Pradesh, Mindshare Yuva Social Wing of IIT Delhi and NSS India. Ms. Nisha contributed her work entitled "Traditional Wisdom of Indian Medicine" which was selected among the 2<sup>nd</sup> best articles by a national level jury.



### Van Mahotsav & Tree Plantation

This year, massive Tree Plantation activities have been undertaken and a target of more than 20000 tree saplings was achieved well within the two months of July and August.

### Participation in Fit India Movement

On a clarion call by Government of India to make India healthy and happy, NSS volunteers of the Institute have pledged to undertake physical activities daily for at least 30-60 minutes under the aegis of Fit India Movement Program launched by Ministry of Youth Affairs and Sports. Fit India Movement Youth Club was launched by the Ministry on 15 August 2020 to motivate students and general public to engage in physical activity, like Yoga, Jogging, Exercise, etc. by remaining at their homes only amid Covid-19 pandemic. DEI NSS Cell has invited all students to take part in the movement and make India a healthy and happy nation. NSS Volunteers are enthusiastically responding to this invitation and have started reporting their activities to the NSS Cell of the Institute which is being forwarded to the Ministry of Youth Affairs and Sports and NSS India authorities on daily basis.

## New Initiatives of GROWING GREEN by Department of Botany

Sites being developed by Department of Botany :

**1. Shanti Nagar (Khasra 359) Site:** Approximately 8.6 Acre land is available at this site. The following works are on progress: **Development of Fruit orchard, Plantation of Timber plants, Construction of two poly houses, vegetable production and Plantation of Ornamental plants.**

**2. Seminar Hall Complex :** At this site a total of 17-acres land was given to the Department for development. The following







works are on progress at this site: **Biodiversity Park and Vegetable and ground-nut production.**

**3. Bahadurpur Site :** At this site a total of 7-acres land is under the management of Department of Botany. A Fruit orchard and aromatic plant garden is already at fruitful stage. The following works are also added at this site: **Plantation of fruit plants, Plantation of Timber trees and Vegetable production.**

**4. Senior Boys' Hostel Site :** A variety of fruit plants have been planted in the fruit orchard of this site. A total of 4-acres area is under farming. Many types of summer season vegetables (brinjal, tomato, cauliflower, cabbage, lobia, cucurbits) are under cultivation.

**5. REI Site :** A total area of 5acres is already under development of biodiversity park. At present vegetable production by preparing plots has also been started from summer season.

**6. Protected Cultivation in Polyhouse :** Two polyhouses have been erected to facilitate protected cultivation and for acclimatization purpose. Temperature and humidity could be controlled in these polyhouses. In July, seedling nurseries were prepared and transplanting of seedlings, such as, Tomato, Bell pepper, and Brinjal & other off-season crops, such as, Red Okra have also been cultivated in these polyhouses. Seedlings of Cherry Tomatoes, Lettuce and Edible Kale are being developed.

**7. Dairy :** Department of Botany has established an “Herbal Garden” in Dairy premises over an area of 4 acres. There are more than hundred medicinal plant species spread over 53 families including important medicinal plants, like, Giloy, Ashwa-gandha, Safed Musali, Bacopa, Dragon Fruit, Olive, Roses, Tylophora, Shatavari, Vashaka, Sadabahar, Aloe vera, bajradanti, Chitrak, Mulethi, Papaya, Bhringraj, Turmeric, Stevia, Sarpagandha are under cultivations. In addition to medicinal plants, vegetables are also under cultivation in Herbal Garden.



## *Editorial Board*

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