



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Name of the Event-

Soil Health and Drone Application in Agriculture Training Programme (March 27, 2024)

1. **Title of the activity:** Soil Health and Drone Application in Agriculture Training Programme
2. **Location of the activity:** Seminar Hall 318, 3rd Floor, A Block, SGT University
3. **Organizers:** Department of Agricultural Extension, Faculty of Agricultural Sciences, SGT University
4. **Collaboration with:** Atal Innovation Community Center, SGT University, and AITMC Ventures Limited
5. **Organizing Team Members with Designation:**
 - 1) Dr. Manjeet, (Assistant Professor, Coordinator of outreach activity FASC, SGTU)
 - 2) Dr. Shakti Om Pathak, (Assistant Professor, Soil Science FASC, SGTU)
 - 3) Dr. Rajesh Mor, (Assistant Professor, Horticulture, FASC, SGTU)
 - 4) Mr. Rishi, Chief Executive Officer, ACIC-SGTU
 - 5) Mr. Arun G., Drone Assembly Engineer, AITMC Ventures Limited
 - 6) Dr. Parshant Vikram, (Professor, Genetics and Plant Breeding, FASC, SGTU)
 - 7) Dr. O.P.S. Khola, (HOD Natural Resource Management, FASC, SGTU)
 - 8) Dr. Nitesh (Assistant Professor, Plant Pathology, FASC, SGTU)
 - 9) Dr. S.S. Sharma (Professor, Entomology, FASC, SGTU)
 - 10) Dr. Amit Kumar, (Assistant Professor, Agricultural Extension, FASC, SGTU)
 - 11) Dr. Sucheta Dahiya (Assistant Professor, Agronomy, FASC, SGTU)



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6. PARTICIPANTS:

- Farmers, from various villages -50
- Experts from FASC and Admission Cell-11
- Students from various programs from Faculty of Agricultural Sciences-50

7. APPROVAL LETTER:



ATAL COMMUNITY INNOVATION CENTRE SGT UNIVERSITY

in collaboration with

Faculty of Agricultural Sciences and AITMC Ventures LTD (Industry Partner)

is organizing

Workshop

on

“Soil -Water Testing and Drone Application in Agriculture”

Introduction

ACIC SGTU Community Innovation Centre in Collaboration with the Faculty of Agricultural Sciences and industry partner AVPL AITMC VENTURE LTD is organizing a one-day workshop on **“Soil -Water Testing and Drone Application in Agriculture”** on **27th March 2024**. Soil and water testing form the cornerstone of precision agriculture, providing essential insights into the health and composition of these fundamental resources for crop cultivation.

By integrating agriculture drone applications into the workshop, we aim to equip farmers with cutting-edge technology that can further enhance their efficiency and productivity. During the workshop, farmers will also explore the innovative use of drones for fertilizing crops. A practical demonstration will showcase how drones can be equipped with fertilizing equipment to distribute fertilizers precisely over agricultural fields. By fostering an understanding of these essential aspects, we aim to contribute to the sustainable development of agriculture and enhance the overall well-being of its farming community.

Program Objectives

1. **Raise Awareness:** Enhance farmers' understanding of the critical role soil and water testing, as well as agriculture drone applications, play in modern agriculture. Emphasize the direct impact of accurate testing and drone technology on crop health, productivity, and resource efficiency.
2. **Skill Development:** Equip farmers with practical skills related to soil sampling techniques, water quality testing methods, and the interpretation of test results. Provide hands-on training to enhance their ability to perform basic tests on their farms.
3. **Promote Sustainable Practices:** Highlight the role of soil and water testing in promoting sustainable agricultural practices. Educate farmers on how these tests can aid in optimal nutrient management, reduce environmental impact, and contribute to long-term soil health.
4. **Customized Solutions:** Facilitate discussions and interactions with local farmers to address specific challenges faced by the farming community. Tailor recommendations and solutions to the unique characteristics of the local soil and water conditions.



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Dhe/169
26/3/24



NITI Aayog



ATAL INNOVATION MISSION



SGTU
Atal Community Innovation Center



SGT
UNIVERSITY



R.O-23/3/24 (10:00 am)

R-119
26/3/24

ACIC/SGTU/GENERAL/2024/03/001

To
The Registrar
SGT University
Gurugram, Haryana

Date: 23.03.2024

Subject: Workshop on "Soil -Water Testing and Drone Application in Agriculture"

Respected Sir,

ACIC SGTU in Collaboration with the Faculty of Agricultural Sciences and AITMC Ventures Ltd (Industry Partner) is organizing a one-day workshop on **"Soil -Water Testing and Drone Application in Agriculture"** on **27th March 2024**. This workshop is tailored to benefit the farmers of Makdola, Kherki Majra, and Daboda Village, offering them crucial insights into the significance of soil and water testing in optimizing agricultural practices. By integrating agriculture drone applications into the workshop, we aim to equip farmers with cutting-edge technology that can further enhance their efficiency and productivity. The Subject Matter Expert for this workshop is Dr. Shakti Om Pathak, Assistant Professor of Soil Science, FASC, SGT University, and Mr. Arun G. Drone Assembly Engineer, AITMC Ventures Ltd.

Related to this Event, we have some major requirements listed below that need your kind consideration.

1. Lunch for Participants (Qty 50)
2. Requirement of Room No. 318, A-Block, ERP - 6487
3. Transportation Facility to pick up at 9:00 am and drop off by 3:00 pm the farmers from Faruknagar, Pathodi, and Dhankot.

It is therefore requested to kindly provide your consent and approval for the same.

Thank you for your kind support.

Request of Mr. Shakti Om Pathak
26/3/24

Request may be considered and submitted
to Hon'ble VC for approval.

Mr. Rishi Sharma

Incubation Manager, ACIC SGTU

- Registrar -

26/03/24

Manager (Genl.)
26/03/24

VC
26/03/24

Registrar
SGT University
Budhera, Gurugram
26/03/24



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9. E Brochure/Banner-

Faculty of Agricultural Sciences
Department of Agricultural Extension

मृदा स्वास्थ्य पर किसान प्रशिक्षण

स्थान: SGT UNIVERSITY दिनांक: 27/03/2024

10. Objectives of the Event:

1. Raise awareness about soil and water testing among farmers.
2. Provide skill development training related to soil sampling techniques.
3. Promote sustainable agricultural practices.
4. Offer customized solutions tailored to the needs of farmers.
5. Foster a sense of community building by facilitating knowledge exchange and collaboration.

11. Report of the World Soil Day Program:

The Soil Health and Drone Application in Agriculture Training Programme was held on March 27, 2024, at SGT University, aimed at raising awareness among farmers regarding soil and water testing, imparting skills related to soil sampling techniques, promoting sustainable agricultural practices, offering customized solutions for farmers, and fostering a sense of community building through knowledge exchange and collaboration.

Highlights of the Programme



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1) Opening Remarks: The event commenced with an opening speech by **Dr. Manjeet Panwar**, Assistant Professor and Coordinator of Outreach Activities. Dr. Panwar emphasized the importance of Soil and water testing in agriculture, highlighting the interconnection between soil health and sustainable agriculture.

2 Expert Sessions: Dr. Shakti Om Pathak, an expert in Soil Science, delivered insightful sessions on the importance of soil health and various soil testing methodologies.

Mr. Arun G., a proficient Drone Assembly Engineer, provided valuable insights into the application of drones in agriculture, emphasizing their role in precision farming and resource optimization.

Hands-on Training: Practical demonstrations and hands-on training sessions were conducted to educate farmers on soil sampling techniques, enabling them to collect accurate samples for testing purposes.

Participants were familiarized with the operation and applications of drones in agriculture through live demonstrations, enhancing their understanding of modern technological interventions in farming practices.

Interactive Discussions: Interactive sessions were held, allowing farmers to share their experiences and challenges related to soil management and agricultural practices.

Experts provided practical solutions and guidance, addressing the queries and concerns raised by the participants, thereby facilitating meaningful discussions and knowledge dissemination.

Community Building: The event provided a platform for farmers, academicians, and students to come together, exchange ideas, and collaborate on initiatives aimed at enhancing agricultural productivity and sustainability. Networking opportunities enabled participants to build valuable connections and partnerships, laying the foundation for future collaborations and collective efforts in the field of agriculture.

The Soil Health and Drone Application in Agriculture Training Programme proved to be a significant initiative in promoting sustainable agricultural practices and empowering farmers with essential knowledge and skills. Through expert guidance, hands-on training, and interactive discussions, the event successfully achieved its objectives of raising awareness, facilitating skill development, and fostering community building within the agricultural fraternity. Such initiatives play a crucial role in driving innovation and resilience in agriculture, thereby contributing to the overall growth and prosperity of the farming community



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12. Picture of Event:





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Participants list

दिनांक 27. 3. 2024, किसान कल्याण मिशन दौरे का कार्यक्रम

S.N.	Name (नाम)	Mobile (मोबाइल नं.)	Address (पता)	Signature
1.	Narender	9711 756364	मौंन डोला	
2.	Harshwar	8607234977	11	
3.	आनन्द प्रकाश	8388432870	गोबि गढी हरसरा	
4.	प्रदीप कुमार	9350500934	धानावाहा	
5.	श्री गालान	9416472241	डुंवापुरी	
6.	गुरेश कुमार	9467267472	इन्दापुरी	
7.	रविमान	9992302238	मौंन डोला	
8.	Sai Narayan	9991212183	Sultapur	
9.	Om.	9466024524	Daboh,	
10.	अश्विनी	9991832952	डीवाला	
11.	महेश्वर	9992748299	जमालपुर	
12.	NARESH K...	9416331413	11	



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S.No.	Name (नाम)	Mo. No. (मोबाइल)	Address (पता)	Signature
1	Shirish Bhangwan	8059646431	UCC- FAZIL PUR Badli	Shirish
2	राजीव सिंह मल्लिक	9250711209	FARUKH NAGAR	FARUKH NAGAR
3	Santosh Kumar	9466869851	Gurugram	Santosh
4	Umest Dager	9466294866	खेड़वाँ मजरा	Umest
5	अमर सिंह	9050631102	जोड़वाँ मजरा	Amr Singh
6	रतन लाल यादव	9813284140	Tispora	Ratan
7	Jai Prakash Yadav	9992712211	परसो	Jai Prakash
8	Satish Yadav	8307730851	सिनी	Satish
9	Chand Singh	9813899532	जोड़वाँ	Chand
10	Chander Singh	9953627383	Smehla Jura	Chander
11	Aashish Masih	6884116698	Dhanawas	Aashish
12	SAMEER	9871746130	Punjab	Sameer
13	Sh. Shri/Anu Koulshik	9416191226	Haryana	Sh. Shri/Anu
14	V.P. Singh Chauhan	9952577643	Maharashtra	V.P. Singh
15	DR. SUDHAKAR TAWAR	951504937	Calcutta	DR. SUDHAKAR

Rama Nand	9868127194	माँवाड़ा	Rama Nand
Suren Singh	805985927	Mankrola	Suren
अतवीर सिंह यादव	9416612189	मरुखवाड़ा	Atvir
लोकेश	8745949594	धनपुर	Lokesh
Kishan Chandra	9728763617	KHERA KHORAM, P.O.	Kishan
Bir Singh	8930080089	Dadawas	Bir
मामचंद शर्मा	9728838741	कलावाड़ा	Mamchand
SHIV DAYAL SAINI	9466232786	Farrukh Nagra	Shiv Dayal
खरी सिंह राठी	9255977699	मुबारकपुर	Khari
Ramtes Singh	9512809039	Belampur	Ramtes
PANDER SINGH	9868827395	J. PUR. THARSA	Pander