

# REPORT OF SEMINAR

## Role of NARES in Current Scenario

Organized by **TechPioneers, Computer Science Society,**  
**Aryabhata College**

26<sup>th</sup> February 2024

The poster is for a seminar titled "Role of National Agricultural Research & Education System in Current Scenario". It features a photo of Dr. Ram Swaroop Bana, a Senior Scientist at ICAR, sitting at a desk with a laptop. The text on the poster includes the following details:

- Under the aegis of IQAC
- TECHPIONEERS**
- The computer science society  
Aryabhata College, University of Delhi
- ROLE OF NATIONAL AGRICULTURAL RESEARCH & EDUCATION SYSTEM IN CURRENT SCENARIO**
- Dr Ram Swaroop Bana**  
Senior Scientist at ICAR
- February 26, 2024  
11:30 AM, Seminar Hall
- CONTACT INFO:  
Teena: 98713 10671  
Devashish: 6204938168
- PROF. MANOJ SINHA  
CHIEF PATRON  
ARYABHATTA COLLEGE
- PROF. J.K. SINGH  
CONVENER  
IQAC
- MS MONA ADLAKHA  
CONVENER  
TECHPIONEERS
- MS NEHA KUMARI  
CO-CONVENER  
TECHPIONEERS
- @techpioneersofficial | LinkedIn | Facebook | Instagram

## Abstract

In celebration of Science Week, TechPioneers organized a speaker session, entitled "Role of National Agricultural Research & Education System in Current Scenario" on 26th February 2024. The guest speaker for the seminar was Dr. Ram Swaroop Bana, renowned and senior scientist at ICAR (Indian Council of Agricultural Research).

# Role of NARES in Current Scenario

(26th February, 2024)

TechPioneers, the Computer Science Society of Aryabhata College, successfully organized a seminar in which our guest was **Dr. Ram Swaroop Bana, a renowned ICAR scientist and also a faculty member at IARI, New Delhi**. The seminar focused on the topic of "**The Impact of NARES (Indian National Agricultural Research and Education System) on Modern Agriculture**". The primary sector, agriculture, holds immense importance, and it is crucial to enhance its development through the integration of cutting-edge technology for the betterment of our nation. Dr. Bana comprehensively discussed the role of various aspects and technologies developed by ICAR to assist farmers. The session was attended by 74 participants.

## Objective:

The primary objective of the seminar was to familiarize the students with the advancements in technology and the role of education in the primary sector, particularly in agriculture. Given that agriculture is the backbone of our country, as it provides us with food and raw materials, it is crucial to enhance it with the latest technology. India, being a vast country with a growing population, puts pressure on this sector while resources remain limited. Therefore, it is important to prioritize quality over quantity. ICAR, the organization dedicated to this field, is actively working towards modernizing the sector, aiming to yield better outcomes for the people. ICAR conducts research in various fields, including farming and fisheries, not only to benefit the people but also to develop new methodologies for improvement. This seminar would encourage students to know more about ICAR and their working and pave the way to introduce new technology in the primary sector.

## About the Speaker:

Dr. Ram Swaroop Bana, a Senior Scientist at ICAR, also serves as a faculty member at IARI, New Delhi. His expertise lies in rainfed conservation agriculture and cereal systems modeling, with a focus on millet, rice, maize, and wheat-based systems. He has been honored with the Endeavour Research Fellowship from the Government of Australia, the IFOAM Grant from Germany, and an Award of Appreciation from the Government of Afghanistan. Additionally, he has received the Early Career Research Award from DST, Government of India, and has been recognized with the ISA Dr. PS Deshmukh Young Agronomist Award, Young Scientist Award, ICAR Junior Research Fellowship, and IARI Senior Research Fellowship. Dr. Bana has successfully managed multiple research grants from Indian and International research funding agencies.

## Summary:

The speaker discussed the pivotal role of the Indian Council of Agricultural Research (ICAR) in agriculture. They highlighted ICAR's history, achievements, and various initiatives. Key points included:

- 1. Impact of the Green Revolution:** The speaker described India's situation before and after the Green Revolution, noting the improvement in food security. They highlighted India's transformation from a food-deficit country to one of the world's food baskets during this period.
- 2. Introduction to ICAR:** The speaker provided an overview of ICAR's history, its establishment, and its evolution into a network of centers and institutes across India. They emphasized ICAR's significant achievements over the years.
- 3. ICAR's Role:** The speaker underscored the importance of modernizing farming practices to optimize resources and increase productivity. They explained ICAR's research efforts, spanning various fields like microbiology and botany, benefiting a wide range of stakeholders, from small-scale farmers to fisheries. The speaker also highlighted ICAR's role in providing assistance and support to enhance agricultural outcomes.
- 4. Need for Computer Science in ICAR:** The speaker emphasized the increasing role of computers in agriculture and the need for technological advancements in this field. They expressed concern about the lack of awareness among students and ICAR professionals regarding computer statistics and data models. The speaker encouraged students to explore this field and contribute to innovation in agriculture through technology.

Overall, the speaker underscored ICAR's crucial role in driving agricultural development in India and the importance of leveraging technology for sustainable agricultural practices.

Apart from these steps, the speaker shared his thoughts and opinions on the questions that were put up by participants. There were also some questions put up by the speaker, which were energetically answered by the students.

The discussion on the NARES (Indian National Agricultural Research and Education System) in Agriculture system was engaging and inspiring, motivating students to think out of the box and develop new technology in order to solve the problems. Overall, the seminar was fruitful and will aspire the students to learn something new and know the importance of innovation and research.

## Glimpses from the seminar



