Samuhik Charcha on "Role of Artificial Intelligence in Agricultural Development and Capacity Building" Organized at ICAR-NAARM

A Samuhik Charcha on the theme *"Role of Artificial Intelligence in Agricultural Development and Capacity Building"* was organized at ICAR–National Academy of Agricultural Research Management (NAARM) as part of the celebrations of SADHANA Saptah (April 2–8, 2026) by DARE/ICAR under the initiative of Mission Karmayogi.

The programme was convened by Dr. Gopal Lal, Director, ICAR–NAARM, who delivered the welcome address and outlined the purpose of the programme. In his remarks, he highlighted that the Samuhik Charcha was organized to provide a platform for experts and scientists to deliberate on the transformative role of Artificial Intelligence in agriculture. He emphasized that AI has the potential to strengthen agricultural research, education, extension services and capacity building of agricultural professionals, thereby supporting sustainable agricultural development.

The session was moderated by Dr. B. Ganesh Kumar, Head, Human Resource Management Division, who highlighted the transformative potential of AI in improving decision-making, optimizing resource use and enhancing research efficiency in agriculture.

Distinguished panelists included Dr. V. Ramasubramanian (Head, Research System Management), Dr. V. V. Sumath Kumar (Head, Education System Management), Dr. R. Venkattakumar (Head, Extension System Management), Dr. Tavva Srinivas (Head, Agribusiness Management) and Dr. A. Dhandapani (Head, Information and Communication Management). Each panelist shared valuable insights on the application of AI in their respective domains. The discussion emphasized the importance of integrating AI into agricultural education and training, strengthening AI-based advisory services for farmers, utilizing big data analytics in agricultural research and improving market intelligence and supply chain management through AI-enabled solutions. The panel also highlighted the need for capacity building, digital infrastructure and institutional collaboration to effectively adopt AI technologies in agriculture.

Scientists and participants actively engaged in the interactive session, sharing their perspectives and raising important questions on the challenges and opportunities associated with AI adoption in agriculture.

Dr. Gopal Lal conclude the program with brief summarization of some key points that emerged. He emphasized that AI can support better decision-making, strengthen agricultural research and play significant role in agribusiness. However successful adoption of AI will depend on strong capacity building, institutional support and digital infrastructure.

The Samuhik Charcha provided a valuable platform for knowledge sharing and reflection on the role of AI in advancing sustainable agricultural development and strengthening human resource capacity within the agricultural research system.


Role of AI in Agricultural Development
and
Capacity Building
Samuhik Charcha