

55 Rural Training Programmes. In order to serve the cause of the society, the department has organized 53 Meet with Expert programmes. Also 70 training programmes and a village camp have been organized by the department. With the co-operation of banks and NABARD, the department has adopted 72 villages.

ABOUT THE SEMINAR

Artificial Intelligence driven agriculture plays a vital role in improving precision and contributing to overall sustainable farming practices in the nation. The development of rural areas which are currently in a state of crisis can be understood as the implementation of federal programs for sustainable development of rural areas with the purpose to eliminate the critical situation. Artificial Intelligence (AI) through sustainable agricultural and rural development holds immense potential for enhancing sustainable development in the agricultural sector. This seminar explores the transformative role of AI in agricultural sustainable Agricultural and rural development activities and its implications for sustainable development. The seminar also discusses the policy implications of integrating AI into sustainable agricultural and rural development and suggests future research directions. To address looming food shortages, embracing innovative practices and leveraging technological advancements to enhance productivity on existing farmland. Pushed by many obstacles to achieving desired farming productivity limited land holdings, labor shortages, climate change, environmental issues, and diminishing soil fertility, to name a few, the modern agricultural landscape is evolving, branching out in various innovative directions. Farming has certainly come a long way since hand plows or horse-drawn machinery. Until recently, using the words AI and agriculture in the same sentence may have seemed like a strange combination. After all, agriculture has been the backbone of human civilization for millennia, providing sustenance as well as contributing to economic development, while even the most primitive AI only emerged several decades ago. Nevertheless, innovative ideas are being introduced in every industry, and agriculture is no exception. In recent years, the world has witnessed rapid advancements in agricultural technology, revolutionizing farming practices. These innovations are becoming increasingly essential as global challenges such as climate change, population growth together with resource scarcity threaten the sustainability of our food system. Introducing AI solves many challenges and helps to diminish many disadvantages of traditional farming.

ANNAMALAI UNIVERSITY

Annamalai University, one of the largest Universities in terms of disciplinary diversity and student enrolment, is also one of the oldest universities in South India. Sprawling over a vast and sylvan campus of 1000 acres, the University houses about 50 Departments of Study under Eight Faculties. Founded by the legendary philanthropist and farsighted visionary, Rajah Sir Annamalai Chettiar in 1929. To serve the downtrodden and to promote Tamil Language and Literature, Rajah Sir S. RM. Annamalai Chettiar founded Sri Minakshi College. on 01.01.1929 Annamalai University came into existence as the first-ever to have been founded by a private philanthropist. Until 2013, the University was governed by the Annamalai University Act, 1928. In 2013, the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), was passed and has come into force from September 25, 2013. The University, which remained "unitary" in status until 2021, was made an "affiliating" one with Mayiladuthurai, Cuddalore, Villuppuram, and Kallakurichi districts as its jurisdiction and 81 colleges are affiliated to the University now.

Annamalai University, a "university" in the true sense of the term, has been sustaining a unified ecosystem of education by offering diverse programmes under one roof. Being multi-faculty institution, Annamalai University has evolved as a time-tested system of administration to ensure the ceaseless transaction of teaching-learning, boundless expansion of research and innovation, and selfless extension of service to the society. In 2022, the University is accredited with 'A+' Grade by NAAC in the fourth cycle of accreditation.

CENTRE FOR RURAL DEVELOPMENT

The Centre for Rural Development was established on 2 3rd January 1989 and it acts as a Nodal Agency in coordinating developmental activities in the rural neighbourhood of the University with the active participation of the governmental agencies, The Centre for Rural Development plays a vital role in nation building, and it offers post-graduate programmes in addition to M.Phil. and Ph.D. research programs. The centre has conducted two U.G.C refresher courses in Rural Development. The Farmers Club is a unique concept to extend professional assistance to agriculturalists, and the department has fifty nine clubs. It is a nascent centre of learning, and it has produced 32 Ph.Ds and 36 M.Phil. The department has undertaken 6 research projects of worth 55 lakhs and published 128 research papers. The department has also organized 2 International and 15 National Seminars/Conferences/Workshop on various themes of Rural Development



ANNAMALAI UNIVERSITY ICSSR-SRC

(A State University Accredited with 'A+' Grade by NAAC)

Annamalai Nagar-608002

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**INDIAN COUNCIL OF SOCIAL SCIENCE
RESEARCH- SRC, Hyderabad
"Vision Viksit Bharat @2047"**

Two Day National Seminar on

**Issues and Challenges in Future
Perspectives on Sustainable
Agriculture and Rural Development
Through Artificial Intelligence
March 04 & 05, 2025**



Organized by

CENTRE FOR RURAL DEVELOPMENT

ANNAMALAI UNIVERSITY

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OBJECTIVES OF THE SEMINAR

TO CREATE A PLATFORM

- ★ To understand the meaning and utilization of Artificial intelligence for sustainable agriculture
- ★ To discuss the schemes adopted for sustainable agricultural development
- ★ The vulnerability of agriculture reduction and the impacts among the farmers
- ★ The water shortage, irrigation development for sustainable agriculture and rural development
- ★ The improved infrastructure for the remote areas
- ★ The climate change and mitigation
- ★ The Issues and Challenges on Sustainable Agriculture and Rural Development

TOPICS TO BE DISCUSSED

- ★ Understand AI in Sustainable Agriculture
- ★ AI for Agriculture and Rural Development
- ★ Sustainable livelihoods and Rural Development
- ★ Economics and Rural Development
- ★ Eco friendly Agriculture
- ★ Transformation of farm sector through AI technologies
- ★ Pest and Soil health in Agriculture
- ★ Implication of AI in Agriculture
- ★ Infrastructural development for Agriculture and Rural Development
- ★ Food Security and Nutrition
- ★ Natural Resources and Sustainable Rural Development

PARTICIPANTS AND REGISTRATION

60 participants are invited from Academicians, Research Scholar, Students, Policy Makers and NGOs and there is no Registration Fee. No accommodation will be given. The Paper consist of one Corresponding Author and one or tow Co-authors (Separate Registration for Co-authors). Working lunch and mid-term tea will be arranged for the registered participants. The selection will be based on first come and first serve basis.

SUBMISSION OF THE PROPOSAL

The abstract, not exceeding 200 words, Abstracts must be allocated to a specific theme and topic, Use Times New Roman font, 1.5 spaced with single space Reference has to be submitted to aisard2025crd@gmail.com and paper should the authors' designation affiliation, email ID, and contact number. The submitted abstracts will be shortlisted by the screening committee on the basis of content quality, and relevance to the seminar. The selected abstracts will be intimated to the correspondent authors to consider for oral presentation.

PLAN FOR PUBLICATION

Only original research contribution will be entertained after conducting a plagiarism check. The peer review committee will review all the papers concerning their Quality, Originality, relevance and other aspects. The accepted paper will be published in SCOPUS/UGC CARE listed journals/ISBN edited volume which will be intimated later.

TIMELINES

Abstract Submission (Max 200 words) : 25.02.2025
Last date for Full Paper Submission : 28.02.2025

For further details please contact

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Seminar Director

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ORGANIZING COMMITTEE

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