Two-day National Seminar on *"Modelling Techniques for Agricultural Applications" Organized*

A two-day National Seminar on *"Modelling Techniques for Agricultural Applications."* was organized on 5 to 6th August 2022 at Anand Agricultural University, Anand in collaboration with the Department of Basic Sciences and Humanities, B. A. College of Agriculture and NAHEP-CAAST Project , World Bank Awarded Centre for Agricultural Market Intelligence.

On the occasion of the inauguration of the seminar *Dr. K.B. Kathiria* Hon. Vice Chancellor of Anand Agricultural University addressed the audience. Here, he had thrown some lights on the importance of modelling techniques for agricultural applications like advisories to farmers for farm operations & many more. Also, he insisted to up gradation of the system of agriculture by utilizing of modern technology for development. *Dr. R. K. George,* Outstanding Professor and Dean (R & D, IPR), IIST, Thiruvananthapuram , Kerala was the Chief Guest & Key note speaker of the inaugural function of this two day National seminar. He gave detailed information in his speech about the basic theory of Artificial Neural Networks and discussed ways to make farming easy through use of Artificial Intelligence & Machine Learning. DR A M Shekh former Vice Chancellor of Anand Agricultural University was invited as Guest of Honour on this occasion and from his vast experience he emphasised on use of various models based on maths and physics to improve the agricultural production. Dr. M. K. Zala Director of Research, AAU said in his address that in the direction of 'Modeling technics in agriculture' AAU, has started working by holding various collaborative research projects and started new Post Graduate course namely, Agricultural Analytics with DAIICT, Gandhinagar. Y. M. Shukla Principal and Dean of B A College of Agriculture has appreciated the planning & utility of such an event and narrated the efforts made by the college as part of the celebration of platinum Jubilee of BACA. Dr. R.S. Pundir, Principal Investigator, NAHAP-CAST, highlighted on the activities of the project and how it becomes beneficial to the P G Students & faculties.

In these two-day seminars, Dr. Avik Bhatacharya, Professor, IIT Bombay, Dr. Dipak Misra, Professor & Head, Dept. of Avionics, IIST, Thiruvananthapuram; Dr. Dharmendra Pandey Scientist, and Dr. Anand S. Sahadevan, Scientist , ISRO, Ahmedabad, Dr. Manjusha Kulshreshtha Professor & Head, Dept. of Basic Sciences, BACA, AAU, Anand ; Dr. Mukesh Tiwari Asst. Professor & Head , Dept. of Soil & Water Conservation engineering, CAET, Godhara were speakers of this seminar. They have discussed about different existing Mathematical/Statistical/ Artificial Intelligence & Machine learning technics to solve the problems related to farming/agriculture, also, showed the methods to get the soil moisture data and various crop yield affecting factors through radar remote sensing, hyperspectral remote sensing and ANN modeling.

More than 200 P G Students , agricultural experts, agricultural scientists and students outside of AAU have enthusiastically participated in this two-day national seminar held at Anand Agricultural University, Anand.

Organizing Secretaries Dr. Rucha Dave and Dr. Nitin Patel concluded the program and thanking all the present dignitaries, colleagues and students and all the members and participants involved in this program.