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Message

Intensive research is in progress to secure sources of renewable energy in view of the energy crises and global warming so as to protect the environment of the earth. For India, climate change and food security concerns have come together in a way that draws increasing attention to energy policy. If India is to achieve 8-10% growth rate, which is necessary to eradicate poverty rapidly, the country has to overcome its rising energy constraints. Green energy will play a leading



role in mitigating the environmental effects of fossil fuel energy use as it can offer major reductions in harmful emissions particularly greenhouse gases and sulphurous oxides. Green economy and the environment are the major notable areas in the modern scientific era to offer affordable livelihood to the human being using the alternative energy. Renewable energy has emerged as a promising option to resolve the environmental problems and energy issues towards global sustainable development.

Global energy scenario in recent years is drastically changed and it is also changing with adoption of new energy conversion technologies. Efficient energy conversion technologies are now emerging as the tool for the development. Many renewable energy resources are available in nature abundantly of which solar, wind and biomass are important. In addition to energy generation, its conservation in every sector plays an important role in energy development. The conversion and utilization of biomass through appropriate technologies in the rural sector will provide ample opportunities for rural employment and income generation besides energy generation and saving the environment.

Energy efficiency and renewable energy are said to be the twin pillars of the nation development. Continuous growth in the biomass energy industry will create employment opportunities particularly among small to medium enterprises and promote social cohesion and economic stability, particularly in remote and rural regions. Renewable energy resources must be developed in order to stabilize and reduce carbon dioxide emissions and provide an easy access to the rural community. In addition, renewable energy technologies can mitigate many of the impacts of traditional energy generation, such as deforestation, climate change, and local air pollution. Development of a successful bio-energy sector in both developed and developing nations will make a useful long term contribution to diversity, security and self sufficiency of energy supply.

(N. C. Patel)

(N. C. Patel)
Vice Chancellor



15th Annual Convocation of Anand Agricultural University was held on 21st December 2018 at Gymkhana Ground, AAU, Anand. Hon. Governorshri of Gujarat and the Chancellor, Shri O. P. Kohli presided over the convocation function. Dr. Narendra Singh Rathore, Dy. Director General (Agril. Edn.), Indian Council of Agricultural Research, New Delhi was the Chief Guest who delivered the convocation address and inspired the young graduates and post-graduates. Shri R. C. Faldu, Hon. Minister of Agriculture, Rural Development, Fisheries & Transport, Govt. of Gujarat was the Guest of Honour.

In this convocation, degrees were conferred to 679 students, including 455 graduates and 224 post-graduates from various faculties. 12 Gold Medals, 64 Gold Plated Silver Medals and 13 Cash Prizes in addition to 3 Chancellor's Gold Medals and 7 Vice Chancellor's Gold Medals for each faculty were awarded to the talented degree recipients.

Dr. N. C. Patel, Hon. Vice Chancellor informed that students of AAU, have also shown their caliber and bagged many meritorious fellowships including ICAR JRF, SRF and Inspire fellowship.



83rd ANNUAL CONVENTION OF INDIAN SOCIETY OF SOIL SCIENCE AND NATIONAL SEMINAR AT AAU, ANAND

National Seminar on Developments in Soil Science - 2018 and 83rd Annual Convention of Indian Society of Soil Science



(ISSS), New Delhi, both were jointly organized by Anand Chapter of Indian Society of Soil Science and Anand Agricultural University, Anand during 27-30 November 2018 at AAU, Anand. The ISSS, one of the largest professional society of India is working for promotional activities related to soil science research and education in the country.

Shri O. P. Kohli, Hon. Governorshri of Gujarat as the Chief Guest inaugurated the event. Dr. Sanjay Prasad, Additional Chief Secretary, Agriculture, Farmers Welfare & Co-operation Department, Government of Gujarat and Prof. O. S. Mbuya, Director, Center for Water Resources, Florida A&M University, Florida, USA remained present as the Guests of Honour. Dr. N. C. Patel, Hon. VC, AAU, Anand presided over the function. Dr. S. K. Chaudhary, President-ISSS and ADG (SWM-ICAR) and Dr. D. R. Biswas, Secretary, ISSS graced the occasion. Around 500 delegates including distinguished former presidents, eminent soil scientists, speakers, and scholars from different parts of the country participated in the seminar.

Many prestigious awards like Life Time Achievement, Fellow of Society etc. were declared by the ISSS and presented to the soil scientists by Hon. Governorshri Shri O. P. Kohli for their outstanding contribution in the field of soil science. The Hon. Governorshri stressed upon the importance of soil and its management for making agriculture sustainable and to ensure food and nutritional security. Dr. N. C. Patel, Hon. VC emphasized for the conservation of soil, a precious natural resource for managing its quality and health. He also stressed that the State Governments and Agricultural Universities, especially soil scientists need to work in this area for making favorable policy to ensure the optimal utilization of land. The event was organized under the guidance of Dr. K. B. Kathiria, Director of Research & Dean PG Studies and Dr. K. P. Patel,



Convener of the Organizing Committee. At the end, Dr. V. P. Ramani, Organizing Secretary proposed vote of thanks.

XXXIV ANNUAL CONVENTION OF ISSAR AND INTERNATIONAL SYMPOSIUM AT VETERINARY COLLEGE, AAU, ANAND



Inaugural function of XXXIV Annual Convention of Indian Society for Study of Animal Reproduction (ISSAR) and International Symposium on 'Productivity Enhancement through Augmenting Reproductive Efficiency of Livestock for sustainable Rural Economy' was held on 28 December 2018 at auditorium, BACA, Anand. After lightening of the lamp, prayer and floral welcome of dignitaries, Dean of the Veterinary College and Chairman of ISSAR, Dr. A. M. Thaker welcomed all the delegates of International Symposium, Veterinary Doctors of Animal Husbandry Dept. GoG and Co-operative Dairies, teachers, scientists, officers and administrative staff the Anand Agricultural University, Anand. He briefly narrated the progress of teaching, research & extension education and ISSAR activities of the Veterinary College. Dr. Shiv Prasad, General Secretary of ISSAR presented the Annual Report. The Guest of Honour Dr. V. Chandrasekhar Murthy, President, ISSAR, briefly narrated the activities and the achievements of Indian Society for Animal Reproduction. The Chief Guest, Mr. Dilip Rath, Chairman, National Dairy Development Board focused on the activities undertaken by NDDB pertaining to the objectives of International Symposium in brief. The Guest of Honour Dr. R. S. Sodhi, Managing Director, Gujarat Co-operative Milk Marketing Federation (GCMMF), Anand

summarized recent activities on productivity enhancement through augmenting reproductive efficiency of livestock undertaken by GCMMF. The Guest of Honour Pro. (Dr.) J.K. Jena, Deputy Director General (Fisheries and Animal Science), ICAR, New Delhi, narrated the aims and utility of the Symposium in relation to upliftment of livestock owners. Dr. N. C. Patel, Hon. Vice Chancellor, AAU, Anand and President of International Symposium congratulated all the scientists and expressed that the three days deliberation must be useful to livestock owners for their economical upliftment. Dr. K. B. Kathiria, DR, AAU briefly narrated the achievements and research activities of AAU. The dignitaries were felicitated with mementos and shawls. Retired faculties Dr. V. M. Mehta, Dr. V. P. Vadodaria, Dr. M. M. Pathak, Dr. Y. G. Dugvekar and Dr. F. S. Kavani were felicitated by the Dignitaries. Various ISSAR Awards and Fellowship were given to nominated eligible scientists. The dignitaries also released the souvenir. Various issues related to productivity enhancement through augmenting reproductive efficiency of livestock for sustainable rural economy were also discussed during the scientific sessions.

ANNUAL CONFERENCE OF ISVPT AND NATIONAL SYMPOSIUM ON 'ONE-HEALTH: VETERINARY PHARMACOLOGY & TOXICOLOGY APPROACHES' AT VETERINARY COLLEGE, AAU, ANAND



Inaugural function of XVIII Annual Conference of Indian Society of Veterinary Pharmacology and Toxicology (ISVPT) and National Symposium on 'One-Health: Veterinary Pharmacology & Toxicology Approaches' was held on 5 December 2018 at auditorium, BACA. Dean of the Veterinary College & Chairman of ISVPT, Dr. A. M. Thaker welcomed all the delegates of National Symposium, teachers, scientists, officers and administrative staff of AAU and briefly narrated the progress of teaching, research and extension education activities of the Veterinary College, AAU, Anand as well as



progress and history of ISVPT. Dr. A. K. Sharma, Professor of Pharmacology, Veterinary College, Ludhiana presented the activities and achievements of ISVPT. The Chief Guest Dr. A. K. Srivastava, Chairman, Agricultural Scientist Recruitment Board, ICAR, New Delhi focused on the importance and objectives of the National Symposium in brief. The Guest of Honour Prof. R. K. Goyal, Hon. VC, Delhi Pharmaceutical Sciences and Research University, Delhi, summarized about recent pharmaceutical research done by his institute and provided guidance on necessity of such research work. The Guest of Honour, Dr. P. D. Juyal, Hon. VC, Nanaji Deshmukh Veterinary Science University, Jabalpur described the importance of resistance drugs and research priority to solve the problem.

Dr. N. C. Patel, Hon. Vice Chancellor and President of the National Symposium congratulated all the scientists for their active participation in National Symposium and wished for meaningful deliberation useful to grass root livestock owners for their economical welfare. He also suggested to discuss and come out with recommendations to reduce residues of antibacterial drugs in milk, meat and eggs.

Dr. K. B. Kathiria, DR, AAU briefly highlighted the achievements and research activities of Anand Agricultural University. Dr. A. K. Srivastava, Chairman, ASRB, ICAR, New Delhi, was honoured with DR. B. D. Garg outstanding Pharmacologist Award. Dignitaries also felicitated Dr. P.D. Juyal, Hon. VC, Nanaji Deshmukh Veterinary Science University, Jabalpur, Dr. R. K. Goyal, Hon. VC, Delhi Pharmaceutical Sciences and Research University, Delhi; Dr. S. K. Modi, Professor & Head, Veterinary Pharmacology & Toxicology, Veterinary College, SDAU, Sardar Krishinagar and Dr. Vinodkumar Dumka, Professor & Head, Veterinary College, Ludhiana as Fellows of the Indian Society of Veterinary Pharmacology and Toxicology (FISVPT). The dignitaries also released the souvenir as well as web based Application on 'Veterinary Drug Information System' developed by College of Agricultural Information Technology. The dignitaries as well as Dean Dr. A. M. Thaker were felicitated with mementoes and shawls.

The symposium was organized keeping in view the global goal of 'One World- One Health set by World Health Organization and OIE (World Organization for Animal Health). The National Symposium comprising lectures of five experts was held to address health care issues inter-related with man and animals. Various scientific sessions were organized to discuss issues related to use of herbal drugs in animals, toxicology of Xenobiotics and welfare of laboratory animals during the symposium.

HON. VICE CHANCELLOR, AAU, ANAND AS THE CHIEF GUEST AT 52nd FOUNDATION DAY CELEBRATION OF UAS BENGALURU



Dr. N. C. Patel, Hon. Vice Chancellor, AAU, Anand attended 52nd Foundation Day Celebration of UAS, Bangalore on 4th October, 2018 as the Chief Guest and delivered a talk. Hon. Minister of Agri. (Karnataka) and Hon. Vice Chancellor, UAS, Bengaluru graced the occasion.

STATE LEVEL TRAINING ON MAIZE CROP BY MMRS, GODHRA



Two-days State level training programmes were organized at three different locations viz., Krushi Vigyan Kendra, S.D.A.U, Khedbhrama; KVK, NAU, Waghai and Main Maize Research Station (MMRS), Godhra during 28-29 November, 17-18 December- and 27-28 December-2018, respectively. These programmes were sponsored by the ICAR-Indian Institute of Maize Research Station, Ludhiana. The main objective of

these programmes was to transfer the latest technologies on maize crop cultivation to grass root level extension workers to enhance the productivity of maize in Gujarat as well as to promote the value addition in maize crop. Total 90 *Gram Sevaks* participated from North, Central and South Gujarat. Dr. M. B. Patel, Unit Head & Asso. Res. Sci. informed all the extension workers to recommend the farmers to grow composite varieties as well as hybrid of maize crop. Faculty members delivered different lectures on maize cultivation and value addition. Valuable feedbacks were given by the participants from each district and certificates were distributed to all the participants in last session of the programme.

ONE DAY SEMINAR ON 'ONE HEALTH APPROACH FOR CONTROL OF RABIES IN INDIA

One day seminar on 'One health approach for control of Rabies in India' was held on 06 October 2018 at College of Veterinary Science & A.H., Anand Agricultural University, Anand in collaboration with Pramukhswami Medical College, Karamsad supported by the Association for Prevention and Control of Rabies in India (APCRI), Bengaluru. After lightening of the lamp and prayer as well as felicitation to distinguished guests, In charge Dean Dr. B. P. Joshi read the blessing messages of Dr. N. C. Patel, Hon. VC of AAU, Anand, Dean of Veterinary Faculty, Dr. A. M. Thaker and Dr. A. J. Kachhiapatel, Director of Animal Husbandry, Gujarat State. In charge Dean Dr. Joshi briefly summarized the activities of Teaching, Research and Extension Education of the college. The President of the function Dr. K. B. Kathiria, DR, AAU, Anand put his valuable remarks on rabies research as well as the need for controlling other zoonotic diseases. He enthusiastically appreciated the collaborative research efforts of scientists of veterinary faculties, medical faculties and scientists of APCRI, Bengaluru. The Chief Guest, Dr. Himanshu Pandya, Dean of Pramukhswami Medical College, Karamsad focused on prevention and control of rabies & also appreciated the collaborative research attitude of all the scientists concerned with the project. The Guest of Honor, Dr. D. H. Ashwath



Narayana, President, APCRI, Bengaluru summarized in brief research activities as well as latest strategies for prevention and control of Rabies. Dr. M.K. Jhala, Convener of the seminar & Associate Director of Research, AAU, Anand congratulated all the Medical faculty, University faculty and scientist of APCRI, Bengaluru. He appreciated the support of the scientists involved in such valuable task. He also expressed the vote of thanks. Dr. M. T. Panchal, Professor of Veterinary Gynaecology co-ordinated the programme successfully. Ongoing latest research works were also presented in seminar by the expert scientists. The seminar was concluded with national anthem.

RECOGNITION OF NEW BREEDS



Gujarat is rich in livestock biodiversity contributing 23 breeds out of total 183 livestock breeds in the country. The Government of Gujarat's initiative on identification and characterization of lesser known livestock population of Gujarat, Sahjeevan Trust, Bhuj and Department of Animal Genetics & Breeding, Veterinary College, AAU, Anand jointly carried out phenotypic and genetic characterization of 3 unrecognized breeds of livestock and submitted joint proposal to National Bureau of Animal Genetics Resources, Karnal through Department of

Animal Husbandry, GoG, Gandhinagar for recognition of new breeds viz. Duma (*Panchali*) sheep, *Kahmi* goat and *Halari* donkey. Finally, these three breeds are recognized as new indigenous breeds of sheep, goat and donkey and formally declared as 43th indigenous breed of sheep, 34th indigenous breed of goat and 2nd indigenous breed of donkey with accession no. India_Sheep_0400_Panchali_14043, India_Goat_0400_Kahmi_06029 and India_Donkey_0400_Halari_05002, respectively.

Dr. N. C. Patel, Hon. Vice Chancellor, AAU; Dr. K. B. Kathiria,

DR, AAU and Dr. A. M. Thaker, Principal & Dean, Veterinary College, AAU, Anand congratulated the staff of AGB Dept. for this proud achievement for the University and the State.

MONITORING OF CROP TRIALS



- Monitoring team led by Dr. M. C. Patel, Research Scientist (Cotton), MCRS, NAU, Navsari visited Regional Research Station, AAU, Anand on 3 October

2018. The team visited the trials having '32' entries comprised of Bt and Non-Bt Cotton being conducted at RRS, Anand.



- Monitoring team led by Dr. S. Manickem, Principle Investigator, ICAR-CICR along with four expert team members visited RRS, AAU, Anand on 28 October 2018.

The team visited All India Coordinated Research Project trials being conducted at RRS.



- Monitoring team of four scientists led by Dr. P. Buraimurugan, Senior Scientist, ICAR-IIOR, Hyderabad visited Regional Research Station, AAU on 17 November 2018.

The team visited AICRP trials on Castor being conducted at RRS, AAU, Anand. Dr. M. P. Patel, Asstt. Research Scientist (Castor) and Dr. A. C. Sadhu, Nodal Officer (Seed) & Research Scientist, Regional Research Station, AAU, Anand briefed about the AICRP trials on Castor. The team was satisfied with the progress of the trials and conveyed wishes for the future.

DISTINGUISHED VISITORS

- Dr. Ashutosh Sarker and Prof. Vinay Nangia from ICARDA, Rabat Institute, Rabat, Morocco visited Anand Agricultural University, Anand on 16 November 2018. They had an interaction meeting with the Hon. Vice Chancellor, Dr. N. C. Patel, University Officers of AAU, Deans and ADRs. Then, they visited Sardar Patel Agricultural Educational Museum,



Biofertilizer Research Project, Tissue Culture Laboratory, College of FPT & BE and CAET, Godhara. They were impressed by the educational system and allied activities being carried out at AAU, Anand as well as by the available state of art infrastructural facilities.



- Prof. Gaya Prasad, Hon. VC, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut (UP) visited Anand Agricultural University, Anand on 8 December 2018. He visited Sardar Patel Agricultural Educational Museum, Information Technology Center, Biofertilizer Research Project, LRS Farm, Veterinary Surgery Department, Animal Biotechnology Department, Animal Nutrition Research Station, Poultry Farm, Tissue Culture Laboratory, Pesticide Residue Laboratory, MVRS Farm, Regional Research Station, College of FPT & BE and Vidya Dairy. He was impressed by the research activities being carried out at AAU, Anand as well as by the existing state of art infrastructural facilities of laboratories.

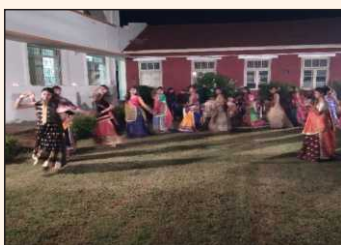


- Dr. Louis Longchamps, Research Scientist (Govt. of Canada) visited Sardar Patel Agricultural Educational Museum on 12 October 2018



CELEBRATION OF SHARAD POORNIMA

Sheth M. C. Polytechnic in Agriculture celebrated *Sharad Poornima* on 24 October 2018. Dr. V. J. Patel, Principal, all staff members and students of polytechnic worshipped goddess by *aarti* and *stuti*. All students joyfully enjoyed this religious occasion by performing *Garba*. The celebration ended with distribution of *prasad* in the form of *Dudh Poha* as a part of *Sharad Poornima* celebration.



PROGRAMME ON THALASSEMIA TEST



Programme on Thalassaemia awareness and thalassaemia testing of students was organized by National Service Scheme of Sheth M. C. Polytechnic in Agriculture, AAU, Anand on 25 October 2018. Dr. V. J. Patel, Associate Professor; Dr. H. B. Shakya, NSS Programme Officer and Dr. M. V. Dabhi, Assistant Professor remained present. Mr. Upendra Bhoi, Indian Red Cross Society, Gujarat State Branch, Anand and his team remained present. He provided useful information on various effects of *Thalassaemia* on married life to the students and he also educated the students regarding harmful effects on health, family and management aspects of thalassaemia major. Video prepared by Indian Red Cross Society, Gujarat state branch, Ahmedabad regarding 'THALASSEMIA AWARENESS' was also shown to the students before testing. Total 37 students of the polytechnic were tested for *Thalassaemia* during this camp.

CELEBRATION OF AGRICULTURAL EDUCATION DAY



The Indian Council of Agricultural Research decided to celebrate the birthday of the first Indian Union Agriculture Minister & the first president of Independent India, Bharat Ratna, Dr. Rajendra Prasad as 'Agricultural Education Day'. By this initiative ICAR aims to develop interest in agriculture and allied sciences among the school and college students and to choose agriculture as their professional and research career or engage themselves in farming as agripreneurs. Keeping this in view, AAU celebrated 'Agricultural Education Day' by inviting higher secondary students of science stream of various schools of Anand, Kheda and Vadodara districts of central Gujarat on 3 December 2018. Around 450 students and 35 school teachers actively participated in Agricultural Education day celebration at BACA auditorium, Anand. On this auspicious occasion, Hon. Vice Chancellor of AAU, Dr. N. C. Patel was the chairman and Shri. Amit Prakash Yadav, DDO, Anand was the Chief Guest of the inaugural function. Shri M. P. Parmar, District Education Officer, Anand was a Special Guest who helped a lot to convincing participants of schools in the event. All the dignitaries emphasized importance of agricultural education and its significance in the country's growth and development as well as explained wide- scope in agriculture and allied fields.

All University officers including Deans and Directors taken keen interest in the celebration of the event and took an active part. Dr. K. P. Patel, Principal & Dean, Faculty of Agriculture delivered a talk on future prospects of agriculture and horticulture disciplines. Dr. A. M. Thaker, Principal and Dean Faculty of Veterinary focused on future scope in the field of veterinary science. Dr. J. B. Prajapati, Principal & Dean Faculty of Dairy science discussed importance of dairy sector and its future in India and abroad. Dr. R. F. Sutar, Principal and Dean, Faculty of Food Processing & BE, emphasized on sun rising future in food processing and agriculture engineering sector. At



the end Dr. D. R. Kathirya, Principal & Dean, Faculty of Agricultural Information Technology, explained application of IT in agriculture and its prospects in India. In afternoon session, students were taken to field visits to Sardar Patel Agricultural Educational Museum, Meteorological observatory, Aromatic and Medicinal plant nursery and Experimental Learning Unit.

CELEBRATION OF MAHILA KISAN DIVAS AT KVK, AAU, DEVATAJ



Krishi Vigyan Kendra, AAU, Devataj celebrated 'Mahila Kisan Divas' on 15 October 2018 at KVK campus in which exhibition on value addition in fruits and vegetables was organized. Total 102 farm

women from different villages actively participated.

CELEBRATION OF WORLD FOOD DAY

Krushi Vigyan Kendra, AAU, Devataj celebrated World Food Day on 16 October 2018. Smt. Amita B. Parmar, Scientist (Horticulture) discussed the role of food in day-to-day life.



Another programme was organized in relation to MGMG programme at Meghva village Ta. Umreth, Dist. Anand. Dr. Shrikant Katole, Scientist (Animal Science) discussed the theme and background of the celebration of the world food day. Sarpanch and Deputy Sarpanch of the village Meghwa remained present in this programme, which was attended by 43 farm women.

CELEBRATION OF FOUNDATION DAY AT KVK, ANAND



KVK Devataj celebrated its 'KVK Foundation Day' on 20 November 2018 at KVK campus. Dr. G. G. Patel, Senior Scientist and Head, KVK, AAU, Devataj welcomed all the farmers and discussed about

activities of KVK and success stories of KVK since its inception. All the scientists gave brief information regarding their activities carried out by them.

CELEBRATION OF NATIONAL MILK DAY



Krushi Vigyan Kendra, AAU, Devataj celebrated 'National Milk Day' on 26 November 2018 under Mera Gaon Mera Gaurav at Mujhkuwa village Ta. Ankav, Dist. Anand. 'National Milk Day' is celebrated in the

memory of Dr. Verghese Kurien for his contribution in development of dairy sector and his role in Operation Flood. Dr. G. G. Patel, Sr. Scientist & Head welcomed all the farmwomen and farmers and informed about the theme of programme. Dr. Shrikant B. Katole, Scientist (Ani. Sci.) informed about the history behind celebration of National Milk Day and informed the farm women and farmers about initial developments of co-operative movement in dairy sector of India.

CELEBRATION OF GANDHI JAYANTI & NASHABANDHI SAPATH

Celebration of 150th birth anniversary of Mahatma Gandhi as 'Nashabandhi Saptah' organized at Prof. A.C.Pandya Auditorium, College of FPT & BE, AAU, Anand on 2 October 2018. Dr. N. C. Patel, Hon. VC, AAU, Dr. S. H. Akbari, DSW, AAU, Shri H. P. Sisodiya, Prohibition and Excise Dept., Anand; B. K. Jyotsna Didi, Prajapati Brahmakumari Ishavariya Vidhyalay, Anand; Dr. K. P. Patel, Principal & Dean, BACA, Principal & Deans of Colleges of FPT & BE, Dairy Science, and Agricultural Information Technology, Anand remained present. Dr. N. C. Patel advised students not to be fall in trap of any kind of addiction. Drugs and smoking are spreading very dangerously in youth which should be avoided.

An Elocution competition among NSS volunteers was also organized on various subjects related to 'Nashabandhi'. More than 20 NSS volunteers of different colleges of the campus participated in the competition, in which, two NSS volunteers



viz, Ku. Nidhi Mahemdavadia and Ku. Ritu Parmar of Sheth M. C. Polytechnic in Agriculture, Anand took active participation.

KAVA DISTRIBUTION FOR PREVENTION OF H1N1

Office of Directorate of Students' Welfare and Medicinal and Aromatic Plants Research Station, AAU, Anand collaboratively distributed KAVA during 9-12 October 2018 for prevention against Swine flu in the campus. University officers, staff members, students and university residents got benefited.



EYE CHECK UP CAMP

Anand Agricultural University and Sankara Eye Hospital, Mogar village, Dist. Anand collaboratively organized Free Eye Check up Camp on 12 October 2018 at College of Horticulture, Anand Agricultural University, Anand. University officers, staff members, students and university residents participated in the camp. Retina Check up, Color Vision, Refraction, Cataract and Glaucoma test were taken by Expert Doctors. Total 230 persons benefited.



GUJARAT STATE INTER AGRICULTURAL UNIVERSITY SPORTS TOURNAMENT



Gujarat State Inter Agricultural University Women's volleyball, badminton and table tennis tournament was organized on 25 October 2018 at Anand Agricultural University, Anand. AAU team became Champion in Badminton and Runners-up in volleyball and table tennis.

PHYSIOTHERAPY CAMP AT AAU, ANAND



Anand Agricultural University and Shri Krishna Hospital, Karamsad jointly organized two Physiotherapy Camps. A lecture was on dewered 'Awareness & Application of Physiotherapy in various medical conditions' by Dr. Harihara, Principal, Shri K.M. Patel College of Physiotherapy Karamsad. University Officers, staff members, students and university residents participated in the camp. Treatment for joint pain, neck pain, paralysis, head injury, polio, osteoarthritis, sciatica, nerve injury, diabetic neuropathy, fracture, sports injury etc. was given by the expert doctors and their team.

SNEHMILAN SAMAROH



Sneh Milan programme of Vikram Sanvat 2075 was celebrated on 12 November 2018. Dr. N. C. Patel, Hon. VC, AAU, Anand, all the University Officers, Deans of different faculties, staffs and students remained present and greeted each other with new year wishes.

HEALTH CHECK UP CAMP ORGANIZED AT COLLEGE OF AGRICULTURE, VASO

Health check up camp was organized at College of Agriculture & Polytechnic in Agriculture, AAU, Vaso in collaboration with Health Center, AAU, Anand and Shree Krishna Hospital, Karamsad on 29 November 2018. The programme was inaugurated with brief introduction of health & hygiene issues by Dr. S. H. Akbari, Director of Student Welfare, AAU, Anand. Shri Mehul Parmar, representative of Shree Krishna Hospital, Karamsad addressed the students about health importance and concered schemes for health insurance (*Krupacard*)



with the movie clip. Total 300 students of College of Agriculture and Polytechnic in Agriculture, AAU, Vaso were examined. Dr. Y. M. Shukla, Principal, College of Agriculture & Polytechnic in Agriculture, AAU, Vaso expressed vote of thanks.

GUEST LECTURES ON SEXUAL HARASSMENT OF WOMEN AT WORK PLACE



Two guest lectures were organized on 15 December 2018 at Radha Krishnan Hall, SMC College of Dairy Science, AAU, Anand. The event was attended by women employees of Anand Agricultural University including Assistant Professors and above, Female Wardens, Female Agricultural Officers and Female Administration staff. Dr. S. H. Akbari, Director of Students' Welfare, Anand Agricultural University graced the event as the Chief Guest. Dr. Suneeta Pinto, Chairperson, Gender Committee, Anand Agricultural University welcomed the Chief Guest, speakers, faculty members and women employees of AAU. Ms. Shital Bhojani, Assistant Professor, IT Centre, AAU compared the event. Ms. Nisha Nair (B.Com, D.C.A, LL.B (Special), LL.B (General), LL.M (Business Law) from Sardar Patel University, V. V. Nagar, Anand addressed the gathering and briefed the audience regarding Sexual Harassment of Women at Work Place.

Welfare, Anand Agricultural University graced the event as the Chief Guest. Dr. Suneeta Pinto, Chairperson, Gender Committee, Anand Agricultural University welcomed the Chief Guest, speakers, faculty members and women employees of AAU. Ms. Shital Bhojani, Assistant Professor, IT Centre, AAU compared the event. Ms. Nisha Nair (B.Com, D.C.A, LL.B (Special), LL.B (General), LL.M (Business Law) from Sardar Patel University, V. V. Nagar, Anand addressed the gathering and briefed the audience regarding Sexual Harassment of Women at Work Place.

WORLD SOIL DAY CELEBRATION

Worldwide, 5th December is celebrated as World Soil Day and this year, the Food and Agricultural Organization of the United Nations has declared a theme 'Be the Solution to Soil Pollution' with an aim to raise awareness to stop soil pollution. In this regard, Anand Chapter of the Indian Society of Soil Science, Dept. of Soil Science & Agricultural Chemistry, BACA, AAU, Anand organized poster preparation and presentation for the students to mark the celebration of World Soil Day on 20



November 2018. About 122 graduate and post-graduate students from various colleges/polytechnics of Anand Agricultural University, participated in aforesaid programme. Prizes for best poster presentation and certificates to all the participants were distributed during valedictory function of the 83rd Annual convention of the Indian Society of Soil Science which was held on 30 November 2018 at AAU, Anand.

TRAINING PROGRAMME AT SSK, AAU, ANAND



Three days training programme was organized at Sardar Smruti Kendra, DoEE, AAU, Anand for farmer group of ATMA, Devbhoomi Dwarka during 4 to 6 October 2018.

One day Training Programme was organized at Sardar Smruti Kendra, AAU, Anand for farmer group of Navrachana Mahila Vikas Trust, Vadodara on 8 October 2018.



Three days training programme was organized at Sardar Smruti Kendra, AAU, Anand for farmer group of Sanidhya Vikas Trust, Gandhinagar during 8 to 12 October 2018.

A students group of Agricultural University, Raichur visited Sardar Patel Agricultural Educational Museum on 10 October 2018.



Two days training programme was organized at Sardar Smruti Kendra, AAU, Anand for farmer group of ATMA Project Valangiman, Tamilnadu during 22 to 23 October 2018.

IPM TRAININGS AT AAU, ANAND



Under the scheme 'Integrated Pest Management' supported by State Government, six IPM trainings were conducted during October - December, 2018 at Dept. of Entomology, BACA, AAU, Anand. Total 197 farmers participated from Bhavanagar, Junagadh, Devbhumi dwaraka and Rajkot districts of Gujarat.

KHEDUT DIN CUM PAKPARISAMVAD AT TRTC, AAU, DEVGADHBARIA

Tribal Research-cum-Training Centre, AAU, Devgadhbria organized *Khedut Din cum Pak Parisamvad* on 'Precision Farming of Soybean Crop' at village Tentallav, Ta. Dabhoi, Dist. Vadodara on 5 October 2018. A book published on '*Soybean ni Vaigyanik Kheti Paddhati Ane Mulya Vardhan*' was released for the farming community by Dr. K. B. Kathiria, DR, AAU; Dr. Arun A. Patel, DEE, AAU, Shri Rohitbhai Patel, Ex. Member AAU Board of Management and Shri M. J. Kureshi, JDA (Ext. Edu.), Vadodara. Improved techniques improved information on in agronomic practices, weed management, irrigation schedule, insect-pest and disease management of soybean crop was given by different scientists to the farmers. Total 245 farmers and farm women participated.



TRAINING PROGRAMME AT ARS, SANSOLI



A training programme on 'Climate Change and its Impacts on Agricultural Sectors' was organized at Farm Technology Training Centre-Nenpur on 20 October 2018. Information on different aspects pertaining to Climate Change was given by the scientists of Agricultural Research Station, Sansoli. Total 54 farmers from different villages of Mahemdavad and Kheda taluka enthusiastically participated.

WOMEN FARMERS' TRAINING PROGRAMME AT MRRS, AAU, NAWAGAM



- Women farmer's training programme on transplanted paddy was organized by MRRS, AAU, Nawagam and ATMA Project, Dist. Valsad on 6 December 2018. Dr. M. B.

Parmar, I/C Research Scientist (Rice) welcomed all trainees and highlighted the importance of Rice Research Station and activities. Dr. D. B. Prajapati, Asso. Research Scientist (PB&G), delivered a lecture on popular varieties of rice, production technologies of rice and inspired for cultivation of high yielding varieties. Prof. S. H. Thorat delivered a lecture on pests and diseases of Rice. The group of farmers also visited fields for seed production, research activities to museum and solved their problems. Total 50 women farmers from six villages of two talukas viz., Dharampur and Kaparada of Dist. Valsad participated.

- One day training programme was organized at MRRS, AAU, Nawagam on 17 December 2018. Dr. D. B. Prajapati,



I/C Research Scientist (Rice) welcomed all the trainees and highlighted the importance of Rice Research Station activities and delivered a lecture on latest varieties of Rice, raising of nursery, production technologies and SRI cultivation system of rice. Dr. R. K. Gangawar delivered a lecture on diseases, pests of rice and discussed the issues of rice and gave training certificates to the farmers. Total 35 women farmers of Ambethi village Dist. Valsad participated.

TRAINING PROGRAMMES AT NIRP, AAU, KHANDHA

Three one days training programmes were conducted at Khandha farm. Total 85 farmers of Sokhda, Bharthana, Khandha, Sambhai, Handod, Kanbha



and Gandhara villages of Narmada District participated.

KHEDUT SHIBIR ORGANIZED BY NIRP, AAU, KHANDHA

Khedut shibir on 'Improved Package of Practices in Pulse Crop' was organized by Narmada Irrigation Research Project, AAU, Khandha at village Bavliya Ta.: Shinor, Dist.: Vadodara on 29 December 2018. The programme was graced by Dr. K. B. Kathiria, DR and Chairman of the programme, AAU, Anand; Dr. M.V. Patel, ADR (Agri.), AAU, Anand; Dr. H. P. Patel, Research Scientist, Pulse Research Station, AAU, Vadodara; Dr. R. G. Machhar, Asso. Res. Sci., ARS, AAU, Derol; Shri J. H. Chaudhari, Unit Officer, Narmada Irrigation Research Project, AAU, Khandha; Shri R. L. Chotaliya, ARS, Paddy Research Station, AAU, Dabhoi and Shri C. R. Patel, RS, Office of the Executive Director (Agri.), SSNNL, Gandhinagar. Dr. K. B. Kathiria emphasized on adoption of latest varieties / technologies developed by AAU. The participating farmers got acquainted with the new high yielding and pest/disease resistant varieties of pulse crops particularly in pigeon pea (AGT-2) and green gram (GAM-5). They also provided useful information related to improved package of practices in pulse crops and thereby getting maximum net profit. Around 70 farmers participated.



MODEL TRAINING COURSE AT CAET, GODHRA



Eight days Model Training Course (MTC) sponsored by Directorate of Extension, Dept. of Agriculture, Co-operation and Farmers' Welfare and Ministry of Agriculture and Farmers Welfare, GoI, New Delhi on 'Green Energy Initiatives in Agriculture to Combat Climate Change' was organized by Department of Renewable Energy Engineering, College of Agricultural Engineering & Technology, Anand Agricultural University, Godhra during 17-24 December 2018 with an aim to provide practical guidance on how to incorporate climate

change when dealing with existing challenges in energy resource management and green energy. Total 25 officials from various states viz., Delhi (2), Sikkim (2) and Gujarat (21) participated in the training programme.

FARMERS TRAINING PROGRAM ON PROCESSING AND VALUE ADDITION AT CAET, GODHRA

A training programme on 'Enhancement of Income through Processing and Value Addition' was organized by Processing and Food Engineering Department at CAET, AAU, Godhra on 01 October 2018. Around 50 farmers from Dahod District actively participated in the training program. The processing, storage and value addition aspects were discussed during the program followed by demonstration on soy milk, soy peda and paneer.



FIELD EXPOSURE CUM TRAINING PROGRAMME AT CAET, GODHRA

One day field exposure cum training programme on 'Turmeric Processing and Value Addition' was organized by Processing and Food Engineering, CAET, Godhra in collaboration with N. M. Sadguru Water & Development Foundation, Dahod on 20 November 2018. Total 42 participants participated in the training. The students visited small scale turmeric processing unit at Chillakota Village of Dahod.



TRAINING PROGRAMME AT ARS, SANSOLI



Different 8 Training Programmes on 'Crop Production Technologies of various Rabi crops' were organized by

Agricultural Research Station, AAU, Sansoli in collaboration with ATMA, Kheda district during 20 October 2018 to 21 December 2018. During the training programme, lectures on different aspects viz., Package of practices of various Rabi crops, Integrated Pest Management (IPM), Animal Husbandry, Micro Irrigation etc. were delivered by scientists of the centre. Total 754 farmers of Kheda district remained present.

KISAN GOSTHI(S) BY ARS, SANSOLI



- A Kisan Gosthi on 'Crop Production Technologies of various Rabi Crops' was organized by Agricultural Research Station, AAU, Sansoli in collaboration with

GSFC, Mahemdavad district (Under Rabi Campaign Programme) on 23 October 2018. Total 30 farmers of Mahemdavad Taluka participated in the programme.

- A Krishi Gosthi on 'e-NAM and Rabi Cropping' was organized at Agricultural Research Station, AAU, Sansoli in



collaboration with Department of Agriculture, Mahemdavad (Kheda) under Crop Diversification Programme on 25 October 2018. During the training programme, lectures on

different aspects viz., e-NAM, marketing management, package of practices of various crops, Integrated Pest Management (IPM) were delivered. Total 74 farmers of different villages of Mahemdavad Taluka participated in the programme.

TRAINING PROGRAMME AT PVK, LIMKHEDA AND TRTC DEVGADHBARIA



Pashu Vigyan Kendra (PVK), Tribal Research cum Training Centre (TRTC) AAU, Devgadhbaria conducted six on campus training programmes on 'Scientific management practices of

animal husbandry' and three off campus training programmes on 'Fodder production technologies and Clean milk production during September to December 2018. Lectures on various aspects of scientific animal husbandry and dairy technology were delivered. Total 330 livestock keepers participated from Limkheda, Devgadhbaria, Dhanpur and Dahod Talukas of Dahod District.

FODDER SEEDS AND PLANTING MATERIAL DISTRIBUTION BY PVK, TRTC, AAU, DEVGADHBARIA



Pashu Vigyan Kendra (PVK), AAU Devgadhbaria distributed fodder seeds and planting materials to the farmers of Udhavada village of D'Bariya Taluka and Paniya village of Limkheda Taluka under the Front Line Demonstrations (FLDs) on 'Quality Fodder Production' so as to curtail feed cost of livestock.

EXPOSURE VISIT OF FARM WOMEN OF ATMA BANASKANTHA AT TRTC, AAU, DEVGADHBARIA



A group of 43 farmwomen from various talukas of Banaskantha district under ATMA project visited Tribal Research cum Training Centre, AAU Devgadhbaria on 23 October 2018. Dr. N. B. Patel (Training Associate) welcomed farmwomen and made them aware of different extension and research activities carried out by Tribal Research cum Training Centre, Tribal Farmwomen Training Centre and Pashu Vigyan Kendra. Dr. Gunavant Thorat (Assistant Professor) oriented them about various experiments, benefits of farm pond and meteorological observatory.

TRAININGS AT TRTC, AAU, DEVGADHBARIA

Tribal Farmwomen Training Centre, AAU Devgadhbaria conducted four training programmes on 'Tailoring' and three trainings on 'Beauty Parlour' for self employment and up-



liftment of tribal women and girls during the months of October to December 2018. Total 163 Tribal women from different villages of Limkheda Taluka participated in the programme.

PRIDE OF AAU



- Four students of International Agribusiness Management Institute of AAU participated and two of them, won the first and second prize in all India

Summer Internship Project Competition organized by Institute of Rural Management, Jaipur during 26-27 October 2018 in the category of Agribusiness Management. Mr. Devendra Raghuvarshi won the first prize with a cash prize of ₹ 21,000/- for presenting the report of the project entitled, 'Status of Dairy Farming in Saurashtra and Issues Hindering the Growth of the Sector'. Ms. Nikita Poddar won the second prize with a cash prize of ₹ 11,000/- for presenting the report entitled 'Market Mapping of Rice in Orissa and West Bengal'.

- Students of Sheth M. C. Polytechnic in Agriculture, AAU, Anand participated in 'All India Essay Writing Event 2018' organized by Shri Ram Chandra Mission. More than 20 students of this polytechnic participated in essay competition, out of this two, essays were selected at polytechnic level. Shri Ram Chandra Mission and U.N Information Center for India and Bhutan awarded prizes and certificates to the students for participation. Dr. J. I. Nanavati was also awarded certificate for his contribution to the success of this event.



- Dr. Istiyakhusen A Chauhan, Assistant Professor, Dairy Engineering Department, SMC College of Dairy Science, AAU, Anand completed his in-service

Ph. D. in Dairy Engineering and was awarded best Ph. D. thesis award (3rd) from Indian Dairy Engineers Association (IDEA) at 11th convention and National Seminar at Indore, Madhya Pradesh during 21-22 October 2018. The award comprises of the certificate and ₹ 7500/- cash prize. He also delivered a talk on equipment designing and was awarded for best oral presentation. The award comprises of the certificate and special honour memento.



- Dr. B. D. Patel was awarded with prestigious Indian Society of Weed Science Fellow Award by Indian Society of Weed Science for the year 2017 on 21 November 2018 at Jabalpur. The honour was conferred in recognition of his outstanding contributions to weed science.
- AAU staff team participated in the Gujarat State Inter University Staff Cricket Tournament organized by Hemchandracharya North Gujarat University, Patan during 28-30 December 2018. Total, 15



Universities of Gujarat took part in the tournament. AAU won four matches and reached in the Semi final. Overall, AAU stood at 3rd position. Dr. N.C. Patel, Hon. VC, AAU, Anand congratulated the team AAU.

BREED REGISTRATION CERTIFICATE AWARD CEREMONY



National Bureau of Animal Genetic Resources and Dept. of Animal Husbandry, Dairying and Fisheries, GoI jointly organised the Animal Breed Registration Certificates Award

Ceremony at Krishi Bhavan, New Delhi on 12 December 2018. The function was organised to award the breed registration certificates to the stakeholders / applicants for the newly recognised and registered breeds of livestock during the year. Dr. D. N. Rank, Professor & Head, Animal Genetics and Breeding Department, Veterinary College, AAU, Anand on behalf of Anand Agricultural University, Anand received the Breeds Registration Certificates by Hon. Union Minister of Agriculture and Farmers Welfare, Shri Radha Mohan Singh and Hon. Union Minister of State for Panchayati Raj, Agriculture and Farmers Welfare, Shri Parshottambhai Rupala at New Delhi.

BASIC ROCK CLIMBING CAMP AT MOUNT ABU



Basic Rock Climbing Camp for boy students of Anand Agricultural University was organized during 1-10 October 2018 at Swami Vivekananda Mountaineering Institute, Mount Abu by the Directorate of Students Welfare, AAU, Anand. During the camp, theory lectures on Principles &

Methods of Climbing and Rappelling, Long Ceiling, American Rappelling, Italian Rappelling, Trekking etc were



delivered. Total, 80 students from different colleges participated in the camp.

NATIONAL ADVENTURE CAMP



Ministry of Youth Affairs & Sports, Govt. of India organized National Adventure camp during 8-17 November 2018 for NSS volunteers. A team of 20 volunteers was selected from NSS Units of Gujarat to represent the Gujarat at National Adventure camp at Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports, Manali, Himachal Pradesh. During the camp, NSS Volunteers carried out various activities like visit of museum, demonstration of different types of ropes and knots used for mountaineering, Rock climbing activity, visit to Hidimba Devi temple by trekking, trekking to Solang Nalla skiing centre, trekking to Patalsu Peak, trekking to Dhundhi, trekking to Manali from Solang Valley, lecture on Mountain hazards, cultural programme etc.

NATIONAL INTEGRATION CAMP AT AAU, ANAND

National Integration Camp was organized during 25 November to 1 December 2018 at Sardar Patel University, Vallabh Vidyanagar under National Service Scheme. 212 students from different Universities of 13 states participated in the camp. Total 5 students of Anand Agricultural University represented University at National Level.

LEADERSHIP AND ENTREPRENEURSHIP DEVELOPMENT TRAINING PROGRAMME

With the aim of grooming students' Leadership and Entrepreneurship Development skills, the training programme for students was jointly organized by National Council for Climate Change, Sustainable Development and Public Leadership (NCCSD), Ahmedabad and Anand Agricultural University during 8-9 December 2018 at College of Agricultural Information Technology. The students of third and fourth year of College of AIT participated in the training programme. The expert faculties from NCCSD delivered lectures on CV writing,



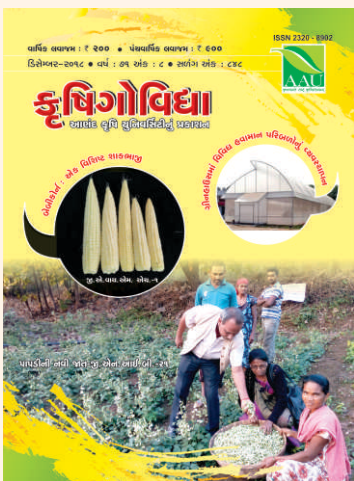
preparing for interview, igniting a spark within for responsible leader, goal setting, capacity building, need and importance of leadership and entrepreneurship.

AGRICULTURAL ENGINEERING MEETING BY ASPEE



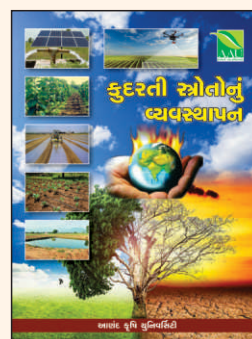
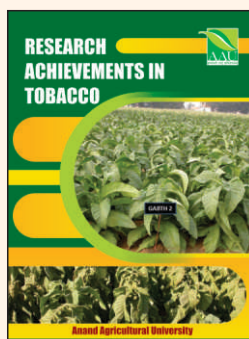
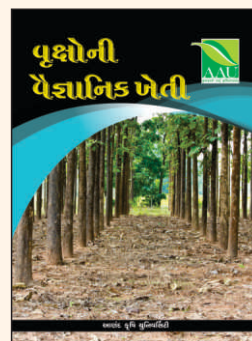
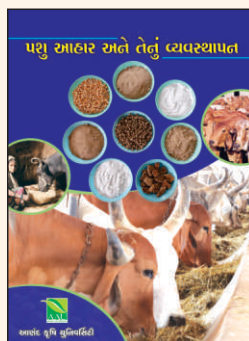
Dr. N. C. Patel, Hon. Vice Chancellor, AAU, Anand remained present in the Agricultural Engineers meeting organized by ASPEE Agricultural Research & Development Foundation, Mumbai at Tansa Farm (Maharashtra) during 8-9 October 2018.

PUBLICATION OF FARM MAGAZINE



The Publication Unit, DoEE, AAU, Anand publishes the monthly farm magazine 'Krushigoviddya' regularly for the benefit of the farming community since May 1948. There are 19,821 subscribers registered for this multicolored farm magazine upto December 2018.

AAU PUBLICATIONS



RETIREMENTS

October 2018

- 1 Dr. Hemchandra Ramjibhai Patel, Research Scientist, BTRS, , Anand
- 2 Shri Nagarbhai Ramabhai Rabari, Junior Clerk, EEL, , Anand (Sad demise)
- 3 Shri Gopalbhai Bababhai Brahmabhatt, Agri. Supervisor, ICAR Unit, Anand

November 2018

- 4 Shri Vijaykumar Babubhai Makawana, Head Clerk, Office of the Registrar, Anand
- 5 Smt. Asha Kiritkumar Jani, Senior Clerk, Polytechnic in Horticulture, Vadodara
- 6 Shri Ajitkumar Bhailalbhai Patel, Laboratory Technician, Dairy Science College, Anand.

November 2018

- 7 Dr. Ranbirsing Fougat, Professor, Deptt. of Biotechnology, Anand
- 8 Shri Sunil Balkrishna Kale, Head Clerk, Office of the Comptroller, Anand
- 9 Smt. Mayaben Urjitbhai Desai, Laboratory Technician, Nawagam
- 10 Shri Vasantkumar P. Brahmabhatt, Laboratory Technician, Arnej
- 11 Shri Dahyabhai Jagubhai Gohel, Driver, Office of the Director Student Welfare, Anand.

*If you want to be remembered after you are dead,
write something worth reading or do something worth writing about.*

- Benjamin Franklin

Book-Post

To

From :
The Editor
AAU Newsletter
Directorate of Extension Education
University Bhavan, Anand Agricultural University
Anand-388 110