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Hon'ble Vice Chancellor's Message

India is on the verge of great transformation. One of the most crucial component of this transformation is Digital India Programme. The Digital India programme has been launched with an aim of transforming the country into a digitally empowered society and knowledge economy. The Digital India would ensure that Government services are available to citizens electronically. Social sectors such as education, healthcare and banking will be the major stakeholders of this initiatives. The Digitization has many advantages like increased productivity of time, cost efficiency, easy to access & always accessible, transparency due to e-management, enhanced security & enhanced information preservation for infinite time and also environment friendly.



Since last five years, Junagadh Agricultural University has made the remarkable progress to incorporate online systems for administration and education. Some of the systems are Circular Management System, Billing and Accounting, HRD/Tour Management System, Provident Fund (PF) Management, IT Asset Management Solutions, IT Grievance System, Information Retrieval System (IRS), Job Application System, Centralized Network Solutions using WAN (Sub centers Connected with Campus) and e-waste Generation Management. Junagadh Agricultural University Intranet is enriched with all the important form in soft copies which are frequently required.

As far as academic is concerned, all the process of academics right from students admission, fee collection to degree application is carried out online. Introduction of JAU Exam Management System (JEMS) is an online platform to carry out all UG/PG/Polytechnic academic activities online. Due to this, results are declared within a week after paper evaluation. In Post Graduate Studies, course cards, committee approval, synopsis approval, etc. are being done online. Online placement solutions for students placement portal has also been developed which provides better linkage of the students with various companies. Other important developments are Smart classrooms, Language labs and online examination system with capacity of 150 students at a time for Mock Test on NET/ARS/GATE. The JAU Campus is equipped with Wi-fi facilities at Colleges, University Premises, Library, Hostels, etc.

Library is the mirror of University. It is adding feathers to its crown with the required facilities for its users as per the present era of automation & digitization and demand of the time. RFID System installed in library with facilities like self-check in check out, staff station, handheld reader, security tag, book drop box with bar coded cards all these systems works through KOHA library software. E-Resources like Cab Abstract, Cera, J-Gate plus Complete, Commodity, E-Books, E-Journals, Databases Like- Agris, Agricola, etc. are available for access to students and faculties.

Due to expertise of IT Cell, JAU Junagadh and quick adoption by JAU faculties and staff members, all these interventions got success. University is keen to advance further and take lead towards adoption of e-Governance and Digitization in Educational Institutes.

A. R. Pathak

TRAINING UNDER NAHEP- IDP

International Training at Asian Institute of Technology, Thailand

Three students participated in international training on “Training and experiential learning in Remote Sensing and GIS” organized at Geo-Informatics Center, Asian Institute of Technology, Klong Luang, Pathumthani Thailand during July 08-26, 2019 under the mentorship of Dr. Manzul Kumar Hazarika. The topics of the training were quantum GIS software, geographic information system software, web GIS and geodatabase management applications, ArcGIS, ArcMap, RStudio, Open Street Map, Java OpenStreetMap Editor, DIVA-GIS, Drone Deploy, Pix4Dmapper, AUSPOS, remote sensing approaches of biomass estimation like RADAR, OPTICAL, LIDAR and advantages and disadvantages of biomass estimation using SAR data.



Vocational training on “Profitable Dairy Farming”

Vocational training on “Profitable Dairy Farming” was organized during August 24-28, 2019 by College of Agriculture, JAU, Junagadh. Forty students participated in the training programme. Training programme included topic of clean milk production, nutrition, artificial insemination, vaccination, disease management and animal husbandry in dairy sectors. The last two days of the training programme was exclusively allotted for the hands-on training sessions to Mr. Dineshbhai Laxman Sojitra, entrepreneur of Dudhsagar dairy farm based at Upleta, Rajkot.



Vocational Training on “Internet of Things (IoT) for Agricultural Domain”

A seven days vocational training on “Internet of Things (IoT) for Agricultural Domain” was organized by College of Agricultural Engineering and Technology (CAET), JAU, Junagadh under Institutional Development Project (IDP), NAHEP of ICAR, New Delhi, during August 3-9, 2019. In this training, total 60 UG students of CAET participated. The aim of this training was to provide exposure to students about advance technologies like IoT and how this technology could be useful to address the problems and challenges faced by farmers. The students learned how to use different sensors such as temperature, soil moisture, infrared, etc. and IoT boards like Arduino, Raspberry-pi and Nodemcu. Under the guidance and support of Dr. A.R. Pathak, Hon'ble Vice Chancellor and Dr. V.P. Chovatia, Principal Investigator of IDP and Director of Research, JAU; Dr. N. K. Gontia, Co PI & Principal and Dean, CAET and his team made all efforts to make the training successful.



Vocational Training Programme on “Entrepreneurship in Nursery Management”

Five days training programme on “Entrepreneurship in Nursery Management” was organized by IDP Cell, College of Agriculture, JAU, Junagadh during August 05-09, 2019. Theoretical and hands-on training sessions were scheduled in such a way that students gain both knowledge and skills in nursery management. Forty students participated in the programme.



Leadership Training Programme

A two days “Leadership Training Programme” was arranged by JAU, Junagadh under Institutional Development Project (IDP), NAHEP of ICAR, New Delhi, in collaboration with Forum of Free Enterprise & M.R. Pai Foundation, Mumbai during July 17-18, 2019 at CAET Seminar Hall. About 68 students of 7th semester B. Tech. (Agril. Engg.) participated in the programme. Dr. N. K. Gontia, Principal and Dean, CAET, Director of Students' Welfare Dr. V. R. Malam and all the HoDs of CAET remained present in the inaugural as well as valedictory programme.



National Training on “Automation and Advances in Chromatography”

A national training on “Automation and Advances in Chromatography” under IDP was organized during September 6-7, 2019 by Dept. of Vet. Pharmacology and Toxicology, College of Veterinary Science and A.H. in collaboration with Dept. of Biotechnology, College of Agriculture, JAU, Junagadh. The lectures related to topics were delivered by invited experts and total 9 hands-on training on various chromatographic advanced techniques were delivered to participants. Students (90) and faculties (17) were benefited with the training. Dr. A.R. Pathak, Hon'ble Vice chancellor, JAU, Junagadh presided over the function with motivational remarks in his speech. Dr. A. M. Thaker, President, Indian Society of Vet. Pharmacology and Toxicology & Former Dean, Veterinary College, AAU, Anand remained present as a Chief Guest. Dr. P.H. Tank, Principal and Dean, Veterinary College; Dr. P. M. Chauhan, Registrar, Dr. P. Mohnot, Associate Director of Research, Dr. B. A. Golakia and University officers remained present in the function. Dr. U. D. Patel acted as a convener of the training.



Training on 'Latest Advancement in Upstream Reproductive Physiological Techniques'

Three Days National Training programme on 'Latest Advancement in Upstream Reproductive Physiological Techniques' was organized by Department of Veterinary Physiology & Biochemistry at College of Veterinary Science and Animal Husbandry, Junagadh Agricultural University, Junagadh under Institutional Development Plan during September 16-18, 2019. The programme was inaugurated by Chief Guest Dr. Suresh Dabas, Principal Scientist, CIRC, Meerut and Guest of Honour Dr. S. P. Nema, Professor & Head, Dept. of Vet. Gynaecology & Obstetrics, MHOW Vet. College, MHOW, M.P.; Dr. V. V. Rajani, DEE, JAU, Junagadh presided over the function. The inaugural function was also graced by Dr. P. Mohnot, ADR and Nodal Officer IDP-ICAR. Dr. A. K. Sharma, Associate Professor & Head and Convener of the training programme proposed vote of thanks. The three days programme was divided in technical sessions and hands on training. Speakers were invited from National Level Institutes and Universities to deliver talks on relevant subject. Training was summarized with concluding remarks by Dr. P. H. Tank, Principal & Dean, CoVS & AH, JAU, Junagadh.

MoU between JAU and Lime Import-Export Institute and Certificate Course on Export-Import of Agricultural Commodities

Junagadh Agricultural University has signed a MoU with Lime Institute for Import-Export Training, Rajkot for inculcating entrepreneurship spirit among the undergraduate students. Sixty day (weekend) 120 hrs Certificate Course on “Export-Import of Agricultural Commodities” was organized by Department of Agricultural Economics, College of Agriculture, JAU, Junagadh to train the students for becoming successful entrepreneur and exporter of agricultural commodities. Total 40 students participated in this course.

Workshop on “Applications of Nuclear Energy in Agriculture and Food”

One day workshop on "Applications of Nuclear Energy in Agriculture and Food" was jointly organized by College of Agricultural Engineering and Technology (CAET), JAU, Junagadh; Bhabha Atomic Research Centre (Mumbai) and Indian Society of Agricultural Engineers (Junagadh Chapter) on September 27, 2019 at JAU, Junagadh. The programme was inaugurated by Dr. C. J. Dangaria, Hon'ble Vice-chancellor, NAU, Navsari who remained present as a Chief Guest. Dr. V. P. Chovatia, Director of Research, JAU; Dr. V. N. Venugopalan, Assoc. Director, BSG, BARC; Dr. N. K. Gontia, Principal and Dean, CAET; Dr. P. M. Chauhan, I/c. Registrar, JAU; Dr. S. K. Ghosh, Head,

FTD, BSG, BARC; other scientists of BARC; HoDs, Dr. M. N. Dabhi, Organizing Secretary, Dr. V. K. Tiwari, President, ISAE (Junagadh chapter, Gujarat) graced the function. In the programme 50 faculty members of JAU, about 50 reputed industrialists from Gujarat and another 50 PG students of JAU remained present. During the training programme, various lectures related to application of nuclear energy and radiation technology to improve the quality and shelf life of food as well as to improve the crop production were delivered by the experts from BARC, Mumbai. At the end, the faculty members Dr. D. R. Mehta and Dr. N. K. Dhamsaniya expressed the benefit of the workshop in the plenary session.



Workshop on 'e-Business and Business Plan'

A workshop on 'e-Business and Business Plan' was organized by PG Institute of ABM, Junagadh Agricultural University, Junagadh in association with IIM, Kozhikode during September 16-20, 2019 in connection to Echoes-2019: an international level competition of B-Plan which is going to organize at IIM, Kozhikode in near future. Total 33 Under-Graduate and Post-Graduate Students of various faculties of JAU participated with full zest. The enthusiasm of the participants and hard work of the student coordinators, trainers and faculty members resulted into a grand success of the programme.



National level seminar on 'The Success Cue'

Two days seminar on 'The Success Cue' was organized by combined efforts of PGIABM with Shri Bhavinbhai Chhatrala during September 28-29, 2019. Shree Chirag Shah a great motivational speaker



was invited for delivering the lectures and encouraging the students. Around 107 students from different faculties were registered in the seminar. The Director of Research and Dean PG studies Dr. V.P. Chovatiya, Registrar Dr. P.M. Chauhan and Principals of various colleges were present in the inauguration session.

Seminar on 'Gender Equality'

College of Veterinary Science & A. H., Junagadh Agricultural University, Junagadh conducted a seminar on 'Gender Equality' under the aegis of Gender Champion Club (Joint initiative of the Ministry of Women & Child Development and Ministry of Human Resource Development) in association with Junior Chamber International (JCI), Junagadh on September 11, 2019. Speaker of the function was Mrs. Gayatriben Jani, a well-recognized Motivational speaker. Director of Students' Welfare, Dr. V. R. Malam, Principal & Dean, PGIABM, Dr. K. A. Khunt and Principal & Dean, College of Agricultural Engineering and Technology, Dr. N. K. Gontia shared their views on gender equality during the inaugural function. Principal and Dean, Dr. P. H. Tank stressed on the importance of mainstreaming all genders including transgender. President, JCI, Junagadh, Dr. Vimal Gajera also addressed the gathering. Nodal Teacher, Gender Champion Club, Dr. Joice P. Joseph and Past President, Junior Chamber International, Mr. Vijay Chavda were also present during the function. The function was witnessed by a huge gathering of audience around 220 students, staffs and JCI members and the programme was a grand success and big leap towards Gender Equality.



Celebration of Swachhhata Pakhwara

College of Agriculture, JAU, Khapat

NSS unit of College of Agriculture, JAU, Khapat (Porbandar) celebrated "Swachhata Pakhwara" from September 01-15, 2019. The Swachhata Pakhwara was started with Swachhata Shapath by all the NSS volunteers as well as faculties of the college which was succeeded by a lecture on "Importance of cleanliness in life" by Dr. R.K. Odedra, Principal, College of Agriculture, JAU, Khapat. Various events like Swachhata awareness campaign through promotion of Swachhata message, voluntary cleaning activities in and around administrative block of the college, boys and girls hostels, KVK campus, inspection and checking of all the overhead tanks, water filter plants, sources of water supply at the college as well as tree plantation. An essay

writing competition was also organized during the *Swachhhta Pakhwara*. In all these events, NSS volunteers as well as staff of College of Agriculture actively participated. The best three volunteers of the *Swachhhta Pakhwara* and prize winners of the Essay writing competition were awarded by offering certificates and Mementoes.

Polytechnic in Agriculture JAU, Dhari

As our Hon'ble Prime Minister Shri Narendra Modi urged the people of India to keep their surroundings clean during his first address to the nation on the eve of Independence Day, NSS unit of Polytechnic in Agriculture, JAU, Dhari celebrated “*Swachhhta Pakhwara*” from August 01-15, 2019 by conducting various activities such as *Swachhhta shapath* (Oath), cleaning of campus to make it plastic free, cleaning of nearby village etc.

“*Swachhhta Hi Sewa 2019*” campaign has been arranged on September 21, 2019 by NSS unit of Polytechnic in Agriculture JAU, Dhari with the aim of making the surrounding plastic free. Around 72 students participated actively in the cleaning of surroundings of college and hostel building. Dr. M. V. Ramdevputra, Principal, explained that plastic waste and plastic problems are increasing and harms which pollute our environment that's why it is important that we say no to the use of single-use-plastic.

Celebration of National Sports Day

A mega event of yoga was organized on August 29, 2019 for celebrating National Sports Day with befitting manner. This programme was organized in collaboration with District Administration of Junagadh at Sardar Patel Sabha Gruh, JAU, Junagadh, wherein 725 NSS Volunteers of Colleges/ Polytechnic of JAU participated. The Marathon run from Police Training Centre to JAU campus was organized before yoga exercises. During this celebration, cultural events including traditional dances on theme of Sports' exercises were broadcasted in entire country followed by the message of Shri Narendra Modi, Hon'ble Prime Minister of India.

Veterinary College, JAU, Junagadh

NSS unit of College of Veterinary Science and Animal Husbandry, JAU, Junagadh celebrated “*Swachhhta Pakhwara*” from August 01-15, 2019. The *Swachhhta Pakhwara* started with oath of cleanliness by all the NSS volunteers as well as faculties of Veterinary college which was succeeded by a lecture on “Importance of cleanliness in life” by Dr. K.A. Khunt, Principal & Dean, P.G. Institute of Agri-Business Management, JAU, Junagadh. Various events like *Swachhhta* awareness campaign was made through promotion of

Swachhhta message, voluntary cleaning activities in and around administrative block of the college, 'Gokulesh' and 'Goverdhan' boys hostels, Veterinary College hospital, inspection and checking of all the overhead water tanks, water filter plants, sources of water supply at the college, etc. An essay writing competition was also organized during the *Swachhhta Pakhwara*. In all the events, NSS volunteers as well as staff of Veterinary College actively participated. Closing ceremony of the *Swachhhta Pakhwara* organized in kind presence of Dr. V. R. Malam, Director of Students' Welfare. Dr. P.H. Tank, Dean and Principal welcomed the guests and narrated the activities of the *Swachhhta Pakhwara*. During the event, two sweepers of Veterinary College were honored. The best three volunteers of the *Swachhhta Pakhwara* and prize winners of the Essay writing competition were awarded by offering certificates, memento and book 'Swan Darpan'. The function ended with vote of thanks by Dr. R. J. Raval, Programme Officer, NSS Unit, Veterinary College, JAU, Junagadh.



KVK, JAU, Amreli

Swachhhta Hi Sewa pakhwara was celebrated from September 11 to October 02, 2019. As a part of this celebration Scientists of KVK, JAU, Amreli; ATMA (Amreli) Officers and Professors of Polytechnic in Home science, JAU, Amreli generated awareness among students, extension workers, farmers, farm women, rural youth by organizing lectures, on-campus and off-campus trainings and demonstrations. Awareness was created about benefits of cleanliness, bio-degradable material, biogas plant, organic manure preparation methods. More than 100 students and more than 500 farmers/farm women participated in the activities.

KVK, JAU, Jamnagar

Krishi Vigyan Kendra, JAU, Jamnagar celebrated “*Swachhhta Pakhwara*” during September 16 to October 02, 2019. During this celebration, awareness programme regarding plastic usage and stop single use plastic materials and *Shramdan* programme was organized on 17th and 19th September, 2019 at KVK campus, Mota Thavariya and Mokhana villages with participation of more than 300 farmers. Again on 27th September, 2019 one day *Shramdan* programme was

organized at KVK, Jamnagar for cleaning of offices and surrounding area by KVK staff members. The 2nd October, 2019 was celebrated as Jal Shakti Abhiyan and lecture delivered at KVK Campus and Ranjitpar Village on “Swachhhta Pakhwara” and total 93 farmers attended the programme.



Swearing oath for keeping the village clean by farmers at Mokhana village

Teachers' Day Celebration

The Teachers' Day was celebrated by the students of College of Agricultural Engineering and Technology. On this day, senior students of the college delivered the lectures to their juniors on different subjects offered in different semesters. Dr. N. K. Gontia, Principal and Dean, CAET; Dr. V. R. Malam, Director of Students' Welfare and all the HoDs and faculties of CAET visited and appreciated the participants.



College of Agriculture, Khapat

College of Agriculture, Khapat celebrated Teacher's Day with zeal and zest on September 5, 2019. The students of first, third and fifth semester took over the duties of teachers for the day. A special morning assembly was held in which the students paid homage to their teachers through poems and speeches. The students actively involved in this programme to show gratitude towards their respected and beloved teachers. The Principal, Dr. R. K. Odedra, addressed the college, lauded the entire staff for their exemplary contribution to the college's phenomenal success. The Principal, also appreciated the sincerest efforts of the teachers in playing a catalytic role in the holistic development of students. Addressing the teachers on the occasion, Dr. P. S. Gorfad, Associate Professor, extolled the role of teachers in student's life.



Polytechnic in Agro Processing, Junagadh

Polytechnic in Agro Processing of Junagadh Agricultural University also celebrated Teacher's Day with zeal and zest on September 5, 2019. The students of third and fifth semesters took over the duties of the teachers for the day. The students were awarded with the cash prizes. Ms. Isha Vaghasiya delivered lecture related to Language and Communication Skills and won the first prize. The celebration was followed by the freshers' welcome. Dr. N. K. Gontia, Dean, Faculty of Agricultural Engineering and Technology presided over the function and inspired the students. He appealed the senior students to assist as maximum as possible to the new comers. Dr. N. K. Dhamsaniya, Principal of Polytechnic in Agro Processing proposed the vote of thanks to the Dean and all the concerned engaged in the celebration.



Jal Shakti Abhiyan

Jal Shakti Abhiyan - a campaign for water conservation and water security was celebrated at College of Agriculture, Khapat (Porbandar) on September 05, 2019. Dr. S. J. Sindhi gave the brief information about the campaign. An important part of the '*Jal Shakti Abhiyan*' is that it will focus on five aspects - water conservation and rainwater harvesting, renovation of traditional and other water bodies, reuse of water and recharging of structures, watershed development and intensive afforestation as said by Dr. R. K. Odedra, Principal. All the students and staff of the college actively participated in this programme.

Celebration of World Coastal Clean-up Day

The World Coastal Clean-up Day-2019 was celebrated on September 21, 2019 by College of Fisheries Science, JAU, Veraval in collaboration with National Centre for Coastal Research, Chennai under the guidance of Dr. A.Y. Desai, Principal, Dr. Jitesh B. Solanki, Chief Coordinator, ICC-2019 and Dr. Pravakar Mishra, Scientist, NCCR. At Veraval Chopati, one km coastal area was cleaned and about



Waste collected by Staff and Volunteers from Veraval Chopati

1200 kg waste consisting of plastic ropes, glass bottles, bags, cups, shoes, buoys, nets, clothes, plastic straws, coconuts, etc. was collected and destroyed. Awareness rally was also organized by 100 volunteers and staff members to keep beach clean.

Celebration of National Nutrition Month

Under POSHAN Abhiyaan, September month was celebrated as the 'Rashtriya Poshan Maah' at College of Agriculture, Khapat (Porbandar) to address the malnutrition challenges and sensitize our countrymen regarding the importance of holistic nutrition. Dr. L. B. Ranpariya, Associate Professor, COA, Junagadh explained the Poshan Maah aimed at making people aware of the importance of nutrition and giving individual access to government services to support supplement nutrition for their children & women. Mr. A. S. Jadeja, Assistant Professor explained various parameters of nutrition.



A Lecture on 'Standardization and Quality Assurance in the Area of Agril. Engg.'

As a part of Student Counseling activity, a lecture on "Standardization and Quality Assurance in the Area of Agricultural Engineering" was arranged for the UG & PG students of CAET under Institutional Development Project (IDP), NAHEP of ICAR, New Delhi on July 15, 2019. The lecture was delivered by Dr. S. K. Singh, Scientist & Head, Bureau of Indian Standards, Rajkot. It was very informative lecture for the students. Dr. S. K. Singh elaborated the procedure of prescribing the BIS standards for farm equipments and machinery. About 187 students and 10 faculty members attended the lecture. Dr. N. K. Gontia, HoDs of the various departments and other faculty members remained present in the lecture.

NSS Activities

Orientation Programme of First Semester B. Tech (Agril. Engg.) students & Tree Plantation at CAET, JAU, Junagadh under NSS

An orientation programme of First Semester B. Tech. (Agril. Engg.) students was organized on September 06, 2019 for acquainting the new students to the academic activities by NSS unit and Gymkhana of the college. Before starting with the orientation,

a "Vruksha Ropan" programme was organized under NSS, during which saplings were planted by Dr. A. R. Pathak, Hon'ble Vice Chancellor; Dr. N. K. Gontia, Principal & Dean, CAET, JAU, Junagadh; Dr. V. R. Malam, Director of Students' Welfare; Dr. P. M. Chauhan, Registrar and Dr. B. K. Sagarka, Principal, College of Agriculture.

During the orientation programme, Prof. D. S. Thanki, Gymkhana Chairman, CAET explained the various activities carried out under gymkhana like indoor & outdoor games, cultural programmes, mountaineering camps, etc. Dr. P. P. Gajjar, Programme Officer, NSS briefed the various activities conducted through NSS unit like regular activities and special camp. Prof. H. J. Vyas delivered a very informative speech regarding the academic rules of B. Tech. (Agril. Engg.) programme and advised the students to follow the rules and regulations during their study period. At last, Dr. N. K. Gontia, Principal & Dean, CAET congratulated the students for their admission in CAET, Junagadh. He advised the students to attend the classes regularly and participate in activities of their interest conducted at the college and university level.



Gujarat State NSS Day Celebration at Sardar Patel University, Vallabh Vidyanagar

Every year 24th September is celebrated as NSS day. Gujarat State NSS day celebrated at Sardar Patel University, Vallabh Vidyanagar during September 22-24, 2019. NSS wing of this college participated in NSS day celebration. Total 12 NSS volunteers including four girls of College of Veterinary Science & Animal Husbandry actively took part in various events lead by Dr. V.D. Dodiya, Team Manager at Sardar Patel University, Vallabh Vidyanagar. On 22nd September, 2019 the programme started in the presence of Shri Bhupendrasinh Chudasama, Hon'ble Minister of Education, Government of Gujarat. Total 20 events were organized during the three days celebration. Volunteers from various universities/colleges from entire state participated in it. The volunteers of this college took part in Essay writing, Debate, Mono acting, Solo song, Power point presentation, Rangoli, Poster painting competition, etc. Ms Shruti Vanpariya won 1st prize in Mono acting, Mr Vishvas Gohil won 1st prize and Mr. Brijesh Patel won 3rd prizes in Essay writing competition and Mr Jay Joshi won 3rd prize in Solo song.

Dr. A.R. Pathak, Hon'ble Vice-chancellor congratulated all the award winners of various competitions and also appreciated the effort made by Dr. V. D. Dodiya, Team Manager and Dr. R. J. Raval, Programme Officer of NSS, College of Veterinary Science & Animal Husbandry, JAU, Junagadh.



One day campaign on information of IPPB

NSS unit of Polytechnic in Agriculture JAU, Dhari organized event to provide detail information about IPPB (India Post Payments Bank) on September 12, 2019. Shri Prithviraj Babariya and Shri Ishwarbhai Bamaniya from Amreli post office explained benefits of IPPB. Ninety students attended the event and some of them opened the bank accounts. This bank provides various services like saving accounts, loan accounts, utility and bill payments etc.

Varietal Characterization & Seed Production Technology in Castor

One day training programme was organized by the STR unit of Pearl Millet Research Station, Jamnagar on August 01, 2019. Thirty Four RAWE students (Boys) of 7th semester of B. Sc. (Agri.), College of Agriculture, JAU, Mota Bhandariya (Amreli) and 14 staff members of Pearl Millet Research Station, JAU, Jamnagar remained present in this training programme. The visit of STR (NSP) laboratory, storage seed entomology experiments and field visit of pearl millet crop was arranged at this centre.

Veterinary Clinical Camps

Veterinary clinical camps were organized by Main Dry Farming Research Station, Targhadia, Rajkot in collaboration with College of Veterinary Science & A.H., J.A.U., Junagadh during September 26-27, 2019 at Patameghpar village of Kalavad (Dist: Jamnagar) and Panchwada village of Jasdan (Dist. Rajkot). During the camps,



314 animals were treated for different medical, surgical and gynecological ailments including 274 medicinal cases, 31 gynaecological cases and 9 cases of surgical disorders. Additionally, about 500 animals

were dewormed with anthelmintic drugs. Different species of animals got specialized treatments from the experts from the College.

Technology Week Celebration

Technology week was celebrated from September 16-18, 2019 at Krishi Vigyan Kendra, Junagadh Agricultural University, Amreli, with a view to create mass awareness among the farmers about the location specific advanced technologies for the sustainable agricultural production. Seminars and demonstrations on advanced technologies in agriculture and allied discipline such as Agriculture, Horticulture, Plant Protection, Crop Production, Agricultural Engineering, Animal science and Home science were conducted during the week. About 400 participants including farmers, farm women and rural youth from 12 villages of Amreli District were benefitted. They also visited different demonstration units especially net-house, poly-house, herbal garden, farm ponds, well recharge structure, micro irrigation systems, organic plot, various implements and rat-proof godown.

The Krishi Vigyan Kendra, JAU, Nana Kandhasar celebrated technology week from September 23-27, 2019 at Nana-Kandhasar (Chotila). On first day of programme, Shri M. F. Bhoraniya, Senior Scientist & Head described the farm women's role in family and farm. He stressed on the organic farming for good health and environment and technology week as big boon to the farmers. He advised the farmers to take full benefit of the technologies / trainings given to them by KVK.



Lectures were delivered by the KVK Scientists on different aspects of crops and farm bio-waste management during technology week. There was also a crop exhibition for the farmers at KVK crop cafeteria. Farmers visited KVK farm and the technology unit, which KVK has developed for the farmers. They were also shown the seed production programme of different crops on the KVK farm. In all, 423 farmers and farm women from Surendranagar district were benefitted in the programme.

Tree plantation

Tree plantation programme was organized as a part of Green Initiative by College of Veterinary Science and Animal Husbandry, JAU, Junagadh in and around newly built Instructional Livestock Farm Complex (ILFC) of JAU Campus on July 23, 2019. Dr. A. R. Pathak, Hon'ble Vice Chancellor of JAU performed *Gau Pujan* and planted the first sapling. Dr. V. P. Chovatia,

Director of Research and Dean PG Studies; Dr. P. V. Patel, Director of Extension Education; Dr. P. M. Chauhan, Registrar; Dr. V. R. Malam, Director of Students' Welfare and Deans of various faculties and Unit Heads of JAU participated and planted the saplings. NSS students and staff members of College of Veterinary Science and Animal Husbandry planted variety of plants which will provide shade and shelter to the animals throughout the year. The entire programme was organized under the guidance of Dr. P. H. Tank, Principal and Dean, College of Veterinary Science and Animal Husbandry. In all, 300 saplings were planted with the aim to provide green cover. Dr. K. Ravikala, Professor and Head, Instructional Livestock Farm Complex, extended vote of thanks to all for their gracious presence and for making the programme a grand success.



“Vruksha Ropan Abhiyan” was celebrated in coloration with IFFCO, Junagadh by College of Agriculture, Khapat on September 17, 2019. All the students and staff members of the college actively participated in this event. In this Programme, different saplings were planted at College Campus and 100 different plants were distributed to students and farmers. Mr. Kanzaria, Senior Marketing Officer, IFFCO, Junagadh shared his views about importance of plantation and role of IFFCO. Dr. P. S. Gorfad briefed about importance of greenery to save the Earth.

KVK, Jamnagar organized “Tree plantation Programme” on September 17, 2019 at KVK, Jamnagar and Mota Thavariya Village. Around 245 farmers participated in the programme and 1125 plant saplings were distributed. About 150 plants were planted by KVK staff in KVK premises on occasion of Tree Plantation Programme.



Training Programme for Schedule Cast People

One day training programme on “*Krushhi Pedashonu Processing and Mulyavardhan tatha Krushima Plasticno Upyog*” was jointly organized by the AICRP on Post-Harvest Engg. and Technology and AICRP on Plasticulture Engg. and Technology for the Scheduled Caste people of Village Tadka Pipaliya, Ta. Bhesan under Scheduled Caste Sub-plan Project (SCSP) on July 16, 2019. The programme was inaugurated by Dr. A. R. Pathak, Hon'ble Vice-Chancellor, JAU, Junagadh as the Chief Guest. Dr. N. K. Gontia, Principal and Dean, CAET; Dr. P. M. Chauhan, I/c. Registrar, JAU & HoDs and other faculty and staff members of PFE as well as REE department remained present in the programme. About 150 farmers participated in this training programme. During the training programme, various lectures related to food processing and value addition as well as use of plastics in agriculture were delivered by the experts from AICRP on PHET, PFE Deptt. and AICRP on PET Deptt., CAET, JAU, Junagadh.



Training Programme under project NFSM

Farmer Training Programme was organized by Cotton Research Station, JAU, Junagadh under the project NFSM, FLD “Insecticide Resistant Management and dissemination of Pink bollworm” on September 19, 2019. Dr. V.P. Chovatia, Director of Research; Dr. V.V. Rajani, Director of Extension Education and Head of Centre; Dr. M.A. Vaddoria remained present and inaugurated programme. Dignitaries released two pamphlets '*Kapasani Adhunik Kheti Padhati*' and '*Gulabi Eyal Nu Sankalit Niyantaran*'. Total 50 FLD farmers remained present. Lectures on “Improved cultivation practices of cotton” were delivered by scientists of different discipline of the centre.

Training under National Food Security Mission (Oilseeds and Oil palms)

One day training for farmers were organized as part of NFSM, Oilseeds and Oil palms at different villages of Dhari and Jafrabad Taluka. Participants were trained to control white grubs in groundnut by the experts of the University.

Village	Date	Participants
Morzar	01/08/19	75
Gopalgram	09/08/19	100
Bhader	29/08/19	100
Jikadri	06/09/19	150

Training for doubling farmer's income

Polytechnic in Agriculture JAU, Dhari organized one day training for farmers jointly with Social Forest Division, Amreli on September 24, 2019. Shri A. B. Rathod, Range Forest Officer, Dhari, Shri B. D. Chandu, Range forest officer, Kukavav, all the staff members of these range, Dr. M. V. Ramdevputra, Principal and all the faculties of Polytechnic in Agriculture, Dr. A. D. Rathod and other staff members of GRS, Dhari remained present at the event.

Lectures on different topics like; doubling the farmers income through farm production, pest and disease management in cotton and groundnut, importance of drip irrigation and organic farming etc. were delivered. About 350 farmers participated in this training programme.

Water Management Awareness Programme

Water Management Awareness Programme was organized by Centre of Excellence on Soil & Water Management, RTTC, JAU, Junagadh on July 31, 2019 at Araniyara village. About 52 progressive farmers participated in the programme. Dr. H. D. Rank, Research Scientist (Agril. Engg.) addressed farmers and highlighted emerging groundwater issues and their remedies, rainfall-runoff relations, agriculture and rural water management strategies under changing climate. Dr. G.V. Prajapati briefed about the surface and subsurface water management interventions, adoption of drip and mulching technologies for efficient utilization of irrigation water and highlighted the technologies developed by Junagadh Agricultural University for efficient water management. Progressive farmer Shri Naranbhai Dobaria shared his experience of groundwater recharging and use of micro irrigation.

Women Agriculture Day celebration

Krishi Vigyan Kendra, JAU, Amreli and ATMA, Amreli jointly celebrated Women Agriculture Day on August 06, 2019. In the programme, the officers from the KVK and ATMA provided information on various social and technical issues related to women in general and Agricultural field. More than 100 farm women benefited by this event.

Also, KVK, DAO, ATMA, Animal Husbandry and Horticulture Department, Jamnagar & Devbhumi Dwarka jointly celebrated "Mahila Krushi Divas" on August 6, 2019 at KVK, JAU, Jamnagar and Jam Khambhalia. Around 150 and 120 farm women of Jamnagar and Devbjumi Dwarka District participated, respectively.

The scientist of KVK, Line department officers and ATMA Staff remained present and delivered lectures on low cost farming for doubling the farmers income, empowerment of women by value addition in agricultural produce, mechanized farming, high tech farming, technologies for drudgery reduction, animal husbandry, vermicompost, organic farming, kitchen gardening etc. during this programme.



Krishi Vigyan Kendra, Nana Kandhasar celebrated "Mahila Krishi Diwas" on August 6, 2019. Shri. M. F. Bhoraniya, Senior Scientist & Head, explained the main objectives and goals of "Mahila Krishi Diwas". Shri. K. S. Bhuva, District Project Director, ATMA, Surendranagar gave a brief note on the importance of women empowerment. Other KVK Scientists gave information regarding improved technologies in agricultural, horticulture, animal husbandry and encouraged the women.

Kishan Goshthi for organic growers

Kisan Goshthi and field visit were organized by KVK, Jamnagar for organic growers. Dr. A.R. Pathak, Hon'ble Vice Chancellor, JAU, Junagadh and Dr. V.P. Chovatia, Director of Research, JAU, Junagadh remained present on this occasion. About 150 farmers participated in the programme. Group discussions were organized on organic cultivation. Exposure visit was organized for organic farm of (1) Shri Vallabhbhai's farm for demonstration of technologies of organic farming (2) Shri Vithalbhai Sanghani at Nani Bhalsan (Beraja, Ta. Kalavad) growing turmeric, tomato, groundnut and all consumable food crops and (3) Shri Vithalbhai Sakhiya at Devpur (Ramuja) of Kalavad (Jamnagar district) for their Animal Unit, value addition of the produces with high-tech technologies.



Celebration of World Zoonoses day

World Zoonoses day is the anniversary of the invention of rabies vaccine by the great scientist Louis Pasteur. The infectious diseases or their agents naturally transmissible between animals and human beings are collectively referred to as “Zoonoses”. Krishi Vigyan Kendra, Nana Kandhasar celebrated the “World Zoonoses Day” on July 6, 2019. Dr. R. P. Kalma, Scientist (Veterinary Science), KVK, Nana Kandhasar provided information regarding the various activities and initiatives by Government for control and prevention of zoonotic infections. Various aspects of zoonotic infections were deliberated during the programme. Shri. D. A. Patel, Scientist KVK, Nana Kandhasar gave information regarding new agricultural technologies & advantages of these technologies. Total 110 farmers of Surendranagar district participated in the programme

Celebration of Mahila Sashaktikaran Pakhwada

Krishi Vigyan Kendra, Nana Kandhasar celebrated Mahila Sashaktikaran Pakhwada during August 01-14, 2019 to recognize the contribution of women in agriculture. Lectures were delivered on different topics like; role of women in agriculture, health and nutrition security for rural women, women empowerment and role of women leadership in animal husbandry, generation of income through value addition in horticulture crops by Scientists of KVK Nana Kandhasar. Total 348 women farmers, rural youth and students of Surendranagar district participated in the programme.



Khedut Shibir

Department of Agriculture, Surendranagar organized Khedut Shibir on August 29, 2019 at Aniyali village of Lakhtar Taluka of Surendranagar district. Shri M. N. Motka, Retired Professor, JAU provided information regarding plant protection and insect management in



agriculture. Dr. R. P. Kalma, Scientist, KVK, Nana Kandhasar emphasized on use of improved technologies in agriculture. Shri M. Z. Zid, Assistant Director, Dept. of Agriculture, Surendranagar briefed about Government policies towards achieving the vision of doubling farmer's income by 2022 and i-Khedut portal. About 70 farmers participated in the programme.

Awareness programme on WRDA act & commodities market

Two day awareness programme was conducted at KVK, Nana Kandhasar in Collaboration with Udaybhansinhji Regional Institute of Cooperative Management (URICM), Gandhinagar during September 4-5, 2019 for creating awareness among farmers about WRDA act & commodities market. Dr. B.C. Bochalya, Scientist delivered talk on seed treatment for controlling seed and soil borne diseases in crops. He gave information about MDP technology recommended by Junagadh Agricultural University for control of pink ball worm in cotton. Mrs. Nilu Pandey, Programme Director, URICM delivered talk on WRDA act and commodities market. Dr. R. P. Kalma, Scientist explained about advantages of organic farming. More than 152 farmers participated in this programme.

Celebration of National Nutrition Week

KVK, Nana Kandhasar celebrated National Nutrition Week during September 1-7, 2019. Shri M.F. Bhoraniya, Senior Scientist & Head of KVK, Nana Kandhasar briefed objectives of the programme, national development and need to intensify the efforts in battling malnourishment in children and women. Dr. R. P. Kalma, Scientist, KVK, Nana Kandhasar stressed on the organic food products, which are very safe for a healthy life.



He also highlighted the concept of nutritional garden for the low-cost balanced diet. More than 30 rural youth and farmers of Surendranagar district participated in this programme.

Live webcast of launching of PM Kisan Samman Nidhi Yojna, NADCP & NAIP Programme

KVK, Nana Kandhasar in collaboration with Animal Husbandry department, Surendranagar organized a live webcast of National Animal Disease Control Programme for FMD & Brucellosis and National Artificial Insemination Programme (NAIP) on September 11, 2019. The programme was inaugurated by Shri Rutvilbhai Makwana, MLA, Chotila. He explained the role of livestock sector for upliftment of farmers' economy.

Mrs. Kalpanaben Makwana, Member of District Panchayat, Surendranagar urged farmers to use the improved technologies in agriculture and animal husbandry.

Shri M. F. Bhoraniya informed the farmers about the two schemes launched by Prime Minister of India namely Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) and Pradhan Mantri Kisan Maan Dhan Yojana (PM-KMY). Dr. Sashikant Patel, Deputy Director of Animal Husbandry, Surendranagar appealed the farmers to vaccinate all their animals against FMD and Brucellosis. Dr. R. P. Kalma provided scientific knowledge on various aspects of FMD and Brucellosis including disease management, vaccination, prevention and control under NADCP and Artificial Insemination with its role in productivity. Total 126 participants participated in this programme.

Kisan Gosthi

KVK, Nana Kandhasar in collaboration with the Indian Farmers Fertilizer Cooperative Limited (IFFCO) organized Kisan Goshti and tree plantation campaigns on September 17, 2019. On this occasion information was given by Scientists on the role of plantation for soil health, water and environment conservation, strategies for increasing production and productivity of crops. Field Officers of IFFCO briefed about the different fertilizers and its mode of application in crops. More than 500 plants were planted with participation of 69 farm women of the Surendranagar district in this programme.

Inauguration of Farmers Hostel

Shri Durlabhjibhai Dethariya (Personnel Assistant of former Hon'ble Agriculture Minister, India & Member of Parliament Shri Mohanbhai Kundariya and Shri Dr. A. R. Pathak, Hon'ble Vice Chancellor, Junagadh Agricultural University inaugurated Farmers hostel at KVK, Morbi. At this occasion, Dr. V. V. Rajani, Director of Extension Education, Junagadh Agricultural University; Dr. D. S. Hirpara, Associate Director of Research; Shri Dilipbhai Saradva remained present.

PRIDE OF UNIVERSITY

The Indian Society of Genetics and Plant Breeding, New Delhi honoured Dr. C. J. Dangariya former Research Scientist and his co-workers of Pearl millet Research Station, JAU, Jamnagar by certificate of recognition for development of landmark pearl millet hybrid GHB-538 and contributing towards food and nutritional security of the country. The certificate and plaque was given by society on the occasion of a Brainstorming session on Speed Breeding during 58th All India Wheat & Barley Research Workers' Meet held at Indore (MP) on August 25, 2019.

Research Excellence Award

Dr. Girish V. Prajapati, Associate Professor, Office of Research Scientist (Agril. Engg.), RTTC, Junagadh Agricultural University, Junagadh was conferred with "Research Excellence Award" for his commendable

contribution in the field of Soil and Water Engineering by "Society for Biotic and Environmental Research" during National Conference on "Challenges and Innovative in Agriculture & Allied Science Research" held at SCAS, Salem during July 26-27, 2019. He presented research paper entitled "Stage Specific Actual Crop Evapotranspiration of Bt. Cotton under Different Mulch Conditions" in the conference.



Post Graduate Researcher Award

Ms. Nipa Vitlhani, Ex. Research Associate, Research Scientist (Agril. Engg.) Office, JAU, Junagadh conferred with the "Post Graduate Researcher Award" for her commendable PG research work in the field of Agricultural Engineering by "Society for Biotic and Environmental Research" during conference on 'Challenges and Innovative in Agriculture & Allied Science Research' held at SCAS, Salem during July 26-27, 2019. She also presented her research paper entitled "Weekly Trend Detection in Meteorological Data for Crop Response" in the conference.

JAU FAMILY WISHES HAPPY AND HEALTHY RETIRED LIFE

No.	Name and designation
July 2019	
1.	Prof. M. S. Gajera, Professor(p)
2.	Prof. V. B. Ramani, Assistant Professor
3.	Shri C.P. Maval, Agril. Supervisor
4.	Shri K.K. Lakhani, Agril. Supervisor
5.	Smt. S.N. Khakhdiya, Sr. Clerk
6.	Shri D.D. Gareja, Trained Mali
7.	Shri U.K. Sindhav, Driver
August 2019	
8.	Prof. N. K. Jadav, Assistant Professor
9.	Prof. V. L. Gondaliya, Assistant Professor
10.	Shri K. J. Kanjariya, Agril. Officer
11.	Shri R.H. Shekhda, Sr. Clerk
12.	Shri K.R. Motvani, Sr. Clerk
September 2019	
13.	Dr. J. S. Patel, Professor
14.	Shri P.J. Anada, Sr. Clerk
15.	Smt. M.V. Dasadiya, Sr. Clerk

Book Post

To, _____

From :
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 J.A.U., Junagadh 362 001. (Gujarat)
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