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SRI VENKATESWARA VETERINARY UNIVERSITY, TIRUPATI

From the Desk of Hon'ble Vice-Chancellor

WAY FORWARD/ SUSTAINABLE APPROACHES

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Dr. K. Sujatha Coordinator, CCVEC

Dr. K. Jayasri Assistant Professor, CCVEC I am glad to inform you that, Sri Venkateswara Veterinary University, Tirupati has been accredited with B++ grade by the National Assessment and Accreditation Council (NAAC). I am sure that this will bring a new spirit into the academic, research, and extension activities of the university.

While we should be proud of our accomplishments, it has also set the bar for what can be done in the future. There are areas where we must all work hard to fill in the gaps so that the University can aim for better grades and be recognized among India's best universities in the future. We will surely accomplish this together.



Sri Gopal Krishna Dwivedi, IAS Vice-Chancellor Sri Venkateswara Veterinary University Tirupati

I congratulate the Convenor and the members of the Juiversity NAAC committee for their hard work during the

University NAAC committee for their hard work during the assessment period and I thank the University officers for their efforts throughout this process.

I sincerely appreciate the Associate Deans, faculty, non-teaching staff, and students of the constituent colleges of the university who gave their best in steering the University towards this achievement, which has made us stand out as the first Veterinary University in India to be accredited by the NAAC.

I appreciate the efforts of CCVEC faculty in organizing farmer's outreach programmes, and effectively using the Digital Studio for developing short videos, and uploading 9 videos on dairy, sheep, and poultry management to the SVVU YouTube channel (Pashu Vydhya Vignana Darshini) for the benefit of the farmers and rural community during the reporting period.

I congratulate the Organizing Secretary and staff of the Department of AGB, NTR CVSC, Gannavaram on the successful organization of the XXI Annual Convention of SOCDAB and National Symposium on "Animal production systems and its role in sustainable use of AnGR" at NTR College of Veterinary Science, Gannavaram from 15th to 16th February 2024.

I applaud the KVK faculty for organizing a workshop on Climate Resilient Agriculture policies and a variety of training programmes on mushroom production, Natural farming, Meenosthavam, vermicompost production, and value addition of fruits and vegetables for the benefit of farmers, self-help groups, and rural youth who are interested in doubling their income and becoming entrepreneurs in these fields.

I appreciate the NCC and NSS Units of the University for their active participation and organization of different programmmes such as Mounted Expedition camp, Mera Pehla Vote - Desh keliye' campaign, Health camps, National Voters Day, Republic Day, College Day and Open House Exhibition, etc.

I congratulate all the faculty members who received awards during the period under report for their contributions to veterinary and dairy science.

I appreciate the efforts and contributions of all University officers, teaching and non-teaching staff, outsourcing employees, and students to the University's growth throughout the reporting period.

Sri Gopal Krishna Dwivedi, IAS Vice-Chancellor

UGC - NAAC ACCREDITATION



Interaction of NAAC Peer Team with the University Officers

Sri Venkateswara Veterinary University, Tirupati is accredited (B++) by NAAC. It is India's first Veterinary University to be accredited by the NAAC. The NAAC Peer team visited SVVU, Tirupati from 12th to 15th February 2024. The Peer team of NAAC is chaired by Dr. Satheesh Kumar Bhandary, Vice-President of NITTE Medical University, Mangalore and the members of the team are Dr. Ranapratap Singh, Dr. Anil Kumar Chillar, Md. Yousuf and Dr. P. C. Kalitha.



NAAC Peer Team Members Taking a Look at the Literature and Multimedia modules Published in Telugu for the Benefit of Farmers

The team visited the University Administrative Office, College of Veterinary Science, Tirupati, College of Dairy Technology, and Centre for Continuing Veterinary Education and Communication. They have also seen the infrastructure facilities of the other contingent colleges of the university through online.

SYMPOSIA, WORKSHOP AND TRAININGS ORGANIZED

XXI ANNUAL CONVENTION OF SOCDAB AND NATIONAL SYMPOSIUM



Inauguration of XXI Annual Convention of SOCDAB and National Symposium

Dr. R. Vinoo, Professor & University Head, Department of Animal Genetics and Breeding, as organizing Secretary organized the XXI Annual Convention of SOCDAB and National Symposium on "Animal production systems and its role in sustainable use of AnGR" at NTR College of Veterinary Science, Gannavaram from 15th to 16th February 2024. Shri. M. Narendranath, The Joint Managing Director, The Andhra Sugars Ltd was the Chief Guest for the inaugural session and Dr. P. Thangaraju, Former Vice Chancellor, TANUVAS, Chennai and Dr, G. K. Gaur, ADG (AP&B), ICAR, New Delhi were the guests of Honour. The Chief Guest for the valedictory function was Dr. V. Prabhakar Rao, Former Vice - Chancellor of Sri Venkateswara Veterinary University, Tirupati. A total of 159 delegates attended the symposium from different parts of the country. Three technical sessions were conducted along with a Young Scientists Awards session and a Brainstorming session. Fifteen Lead papers by eminent scientists and a total of 151 abstracts were presented. Dr. K. Sudhakar, Associate Professor (AGB) acted as Co-organizing Secretary, and Dr. M. Srinivas, Professor (VGO) was the Treasurer for the Symposium.

WORKSHOP ON CLIMATE RESILIENT AGRICULTURE POLICIES



Climate Resilient Agriculture Policy Review Team at KVK, Guntur

KVK, Guntur conducted a workshop on Climate Resilient Agriculture policies in association with NABARD on 26th March 2024. Scientists of RARS, CRIDA, AMC Amaravati and KVK District officers of DAOs, CEO (APLDA), JD (Animal Husbandry), PD (ATMA), and officials from NABARD, Animal Husbandry department, NGOs, and Farmers have participated in the programme. The proposals for 'Climate Resilient strategies for Guntur district' were reviewed during the programme.

TRAINING PROGRAMME ON NATURAL FARMING



Natural Farming Farm Produce at Display

A Training Programme on "Natural Farming" was conducted at Allurivaripalem on 06.02.2024 with farmers and extension personnel. The importance of cow dung and its byproducts for improving soil health and nutritional security was discussed. Dr. G. Venkata Naidu, Director of Extension, SVVU, Scientists from KVK, and Staff from APCNF participated in the programme.

SKILL TRAINING PROGRAMME ON MUSHROOM PRODUCTION



Rural Youth Participants of Training Programme on Mushroom Production with KVK Scientists

A seven-day training programme on 'Mushroom Production' for Rural Youth was conducted from 2nd to 8th January 2024. The programme was addressed by ATMA, SAMETI, and KVK officials. Detailed procedures and practices in mushroom cultivation were explained. The topics covered in the programme were Spawn Production Technology, Oyster Mushroom- Standard practices and procedures, Paddy straw - Mushroom- Standard practices and procedures, Pest and disease management in mushroom production, milky - Mushroom -Standard practices and procedures, Mushroom compost and post-harvest technology, Mushroom nutritional benefits and Value addition. Further, the members visited mushroom units in Vijayawada. A total of 30 members participated in this training programme.

MEENOTHSAVAM AT KVK, LAM, GUNTUR



Release of Fish Hatchlings into the Ponds at KVK

Dr. M. Yugandhar Kumar, Principal Scientist & Head, KVK released fish hatchlings into the ponds located at KVK on 19th January 2024. On this occasion,

Dr. M. Yugandhar Kumar spoke about the importance of fish farming and its integration with agricultural farming. Fish farming contributes to improvement in self-employment opportunities and income of farming communities.

TRAINING PROGRAMME ON ENRICHED VERMICOMPOST PRODUCTION



Participants of Training on Enriched Vermicompost Production

A six-day training programme was conducted on "Enriched Vermicompost production" for rural youth from 12th to 17th February 2024. Dr. A. Subbarami Reddy, DE, ANGRAU, GUNTUR, participated as a resource person and explained about Vermicomposting technology, Preparation for Vermicomposting, and Marketing techniques. The programme was also addressed by ATMA, SAMETI, and KVK officials. A total of 30 members participated in the programme.

TRAINING PROGRAMME ON PROFITABLE AND SCIENTIFIC REARING OF SHEEP AND GOAT



Dr. K. Sujatha, Coordinator, CCVEC Addressing the Women Farmers

Dr. K. Sujatha, Coordinator of Centre for Continuing Veterinary Education and Communication (CCVEC) organized a one-day farmers training cum awareness programme on "Profitable and Scientific Rearing of Sheep and Goat" on 5th January 2024 at Mannasamudram, Yerpedu Mandal, Tirupati district. In this programme, 45 women farmers attended, and the farmers were oriented on sheep management, nutrition, health management, establishment of sheep units, etc. Mineral mixture was distributed to the farmers. Dr. G. Gangaraju, Professor and Head of LPM, Dr. M. Kalyan Chakravarthy, Senior Scientist and Dr. K. Jayasri, Assistant Professor of CCVEC attended the programme.

TRAINING PROGRAMME ON PROFITABLE AND SCIENTIFIC PIG FARMING



Women Farmers Attending the Awareness Programme on Pig Rearing

Dr. K. Sujatha, Coordinator of Centre for Continuing Veterinary Education and Communication (CCVEC) organized a one-day farmers training cum awareness programme on "Profitable and Scientific Pig farming" on 10th January 2024 at Abbabatlapalli, Srikalahasti Mandal, Tirupati district. In this programme, 40 women farmers attended, and the farmers were oriented on Scientific methods in pig farming, Pig nutrition, and health management, Establishment of Pig farming units with economics, etc. The farmers were also enlightened about dairy cattle management. Mineral mixture was distributed to the farmers. Dr. G. Gangaraju, Professor and Head of LPM, Dr.Kalyan Chakravarthy, Senior Scientist of AICRP on Piggery and Dr. K. Jayasri, Assistant Professor of CCVEC attended the programme.

TRAINING PROGRAMME ON SCIENTIFIC REARING OF LIVESTOCK



Participants of Training Programme at CCVEC, Tirupati

Dr. K. Sujatha, Coordinator of Centre for Continuing Veterinary Education and Communication of Sri Venkateswara Veterinary University, Tirupati in association with SOS Children India (NGO), Yerpedu, Tirupati District has organized a One-day training cum exposure visit programme on "Scientific rearing of livestock" on 15th March 2024 for 60 women farmers. The farmers were enlightened about best dairy managemental practices, nutritional management of dairy cows, backyard poultry rearing, and value addition of milk products. The farmers visited different livestock farms at the veterinary college, Tirupati. Dr. MVN Suryanarayana, Professor and Head of LFC, Dr. S. Shakeela, Professor & Head of Poultry Science, Dr. Vijava Geetha, Assistant Professor of Dairy Technology, and Dr. B. Rangamma, Assistant Professor of LPM attended the programme.

TRAINING PROGRAMME ON PROFITABLE REARING OF LIVESTOCK



Educating the Farmers about Profitable Livestock Rearing at CCVEC, Tirupati

Dr. K. Sujatha, Coordinator of Centre for Continuing Veterinary Education and Communication of Sri Venkateswara Veterinary University, Tirupati in association with SOS Children India (NGO), Yerpedu, Tirupati District organized a One-day training cum exposure visit programme on "Profitable rearing of livestock" on 20th March 2024 for 65 women farmers.

The farmers were enlightened about the selection of dairy cows, fodder cultivation, nutritional management, diseases & their control, tips for enhancement of fat percentage of milk, and the importance of backyard poultry rearing.

The farmers visited dairy, piggery, and poultry farms at College of Veterinary Science, Tirupati Dr. B. Devasena, Professor & Head of Animal Nutrition, Dr. S. Shakeela, Professor of Poultry Science, and Dr. G. Gangaraju, Professor and Head of Livestock Production and Mangement, attended the programme.

TRAINING PROGRAMMES ON PROFITABLE SHEEP REARING AND IMPORTANCE OF BACKYARD POULTRY REARING



Distribution of Mineral Mixture to the Sheep Farmers

Dr. K. Sujatha, Coordinator of Centre for Continuing Veterinary Education and Communication (CCVEC) organized two farmers training cum awareness programmes on "Profitable sheep rearing" and "Importance of backyard poultry rearing" on 23rd March 2024, at Uranduru and Muddamudi villages of Srikalahasti Mandal, Tirupati district respectively.



Dr. K. Sujatha, Coordinator, CCVEC Addressing the Women Farmers

A total of 30 to 40 women farmers attended each programme, and they were oriented on scientific methods in sheep rearing, nutrition, health management, and backyard poultry rearing. The farmers were also educated on the establishment of sheep and backyard poultry units with economics. Mineral mixture was distributed to the farmers. Dr. B. Rangamma, Assistant Professor of LPM attended the programme.

TRAINING PROGRAMME ON "VALUE ADDITION OF FRUITS & VEGETABLES"



Inauguration of Training Programme on Fruits & Vegetables Value Addition

A training programme for rural youth on "Fruits & Vegetables Value Addition" was conducted at Krishi Vigyan Kendra, Lam, Guntur from 18th to 23rd March 2024. programme remarks were given by Dr. M. Yugandhar Kumar, Principal Scientist & Head, KVK, Guntur on the importance of value addition to fruits and vegetables. A total of 30 participants attended the programme and they were oriented towards improving the quality and shelf life of fruits and vegetables through proper processing and packaging.

TRAINING PROGRAMME ON PUNGANUR CATTLE AND NELLORE JODIPI SHEEP



Awareness Programme on Management of Punganur Cattle and Nellore Jodipi Sheep at LRS, Palamaner

A training programme was conducted for 30 farmers from Thummalakunta, Galiveeedu (M), Annamayya (Dist.) in collaboration with PRERANA voluntary Service Organization at LRS, Palamaner on 4th March 2023. The farmers were oriented about Punganur cattle, Nellore Jodipi sheep, and Important Fodder crops and their management. Dr Praveen Raj, Principal, AHP, Palamaner and Dr M Kalyan Chakravarthy, Scientist, AICRP, Tirupati have participated in the training programme.

TRAINING PROGRAMME ON FODDER VARIETIES



Students of B.Sc., (Horticulture) at LRS, Siddaramapuram

Dr. Deepak, I/C Senior Scientist of LRS, Siddaramapuram conducted a one-day training programme on 3rd February 2024 for B.Sc., Degree students of Sri Krishna Devaraya College of Horticultural Sciences, Anantapuram. They were educated about different fodder varieties and complete feed making.

DISTRIBUTION OF VANARAJA BIRDS UNDER THE PSP PROJECT



Dr. P. Jagapathi Ramayya, Associate Dean, CVSc, Tirupati Distributing Vanaraja Birds to the Farmers

Vanaraja Bird Units were distributed to SC Farmers at Mannasamudrum village on 27th February, 2024. A total of 30 Units (Each 10 Birds) were distributed to 30 farmers along with feeder, waterer, cage and 5 Kg feed bag. The program was organized by Dr. P. Jagapathi Ramayya, Associate Dean, CVSc, Tirupati. The teaching staff from CVSc, Tirupati and A.H officials participated in the programme.

NCC/NSS ACTIVITIES MOUNTED EXPEDITION CAMP



NCC Cadets Embarking on Mounted Expedition

A Mounted expedition camp was organized by 2(A) R&V NCC unit, Tirupati from 25th February to 2nd March 2024. The camp started with a flag-off by the NCC commander on first day along with 30 students, 18 PI staff, and 7 horses, halted at IIT Tirupati after a very good horse show. On 2nd day, a Veterinary medical camp was held at Thondavada village. After a halt at Srikalahasthi on 3rd day, a horse show was organized on 4th day at KVB Puram village high school. A horse show jumping was organized along

with tree plantation on 5th day at Mangalam village. The expedition moved to Puthur and a public awareness program regarding the Millets utility and its health benefits was organized on 6th day. A horse show jumping was also conducted on the day 6th day. NCC commander and all Commanding Officers of other units have participated in flagging down on 7th day marking the completion of the Camp successfully.

MEGA MEDICAL CAMP AT NTR CVSC, GANNAVARAM



Staff and Students Availing the Facilities at Medical Camp

NSS unit of NTR CVSc, Gannavaram in collaboration with the Rotary Club, Gannavaram, and Pinnamaneni Siddhartha Medical College organized a mega medical camp in the college premises on 6^{th} January 2024. Dr. P. V. S Kishore, Associate Dean inaugurated the mega camp. A total of 67 members including the teaching and non-teaching staff of the college availed the facility and got screened for medical tests including ECG and blood sugar.

'MERA PEHLA VOTE - DESH KELIYE' CAMPAIGN



Dr. Ch. Mallikarjuna Rao, NSS PO Addressing the Students

The 'Mera Pehla Vote - Desh Keliye' campaign was organized on 5th March 2024 at NTR CVSc, Gannavaram. The programme was organized in response to Prime Minister Narendra Modi's calling upon the youth, especially first-time voters, to actively participate in the democratic process. All the NSS volunteers of the college have participated in the program. NSS Programme Officer Dr. Ch. Mallikarjuna Rao addressed the students and provided the information on the electoral system, the voter registration process, and the responsibilities of a voter.

MEGA DENTAL CAMP AT NTR CVSC, GANNAVARAM



Dental Checkup at Mega Dental Camp

NSS unit of NTR CVSc, Gannavaram in collaboration with Pinnamaneni Siddhartha medical College organized a mega dental camp in the college premises on 05.03.24. Dr. P.V.S Kishore, Associate Dean inaugurated the mega camp. A total of 46 members availed the facility and got dental checkups done.

CELEBRATION OF DAYS REPUBLIC DAY



Dr A Ravi, Registrar, SVVU Addressing the Staff and Students

The 75th Republic Day of India was celebrated at the University Administrative Building. The teaching, non-teaching, outsourced staff, and students have participated in the celebrations. Dr. A. Ravi, Registrar

of SVVU hoisted the National Flag, addressed the gathering, and presented cash awards to non-teaching staff of the Administrative Office and constituent institutions of the university for their meritorious services. All constituent institutes of SVVU also celebrated the 75th Republic Day.

NATIONAL VOTERS' DAY



Pledge Taking on National Voter's Day at NTR CVSc, Gannavaram

National Voter's Day was celebrated on 25th January 2024 at NTR CVSc, Gannavaram. The students were encouraged to vote and participate in the electoral process. They were enlightened about the fact that the 'right to vote' is our basic right. The pledge was undertaken by all the NSS volunteers and NSS Programme Officers Dr. N. Lakshmi Rani & Dr. Ch. Mallikarjuna Rao.



Dr. M. Sreenu, Associate Dean, CVSc, Garividi Addressing the Students

National Voters' Day was conducted at CVSc, Garividi on 25th January 2024 under the chairmanship of Dr. Makkena Sreenu, Associate Dean, College of Veterinary Science, Garividi. On this occasion, the theme of National Voters' Day- 2024 i.e. "Nothing like voting, I vote for sure" and the importance of the electoral roll were explained. Pledge-taking was done by the faculty and students of College of Veterinary Science, Garividi.

INTERNATIONAL WOMEN'S DAY



Visit to KVK Demonstration Units on International Women's Day

KVK, Guntur celebrated International Women's Day on 8th March 2024 under the chairmanship of Dr. M. Yugandhar Kumar, Principal Scientist & Head, KVK. Sri. Gopal, Chief General Manager, NABARD have attended the programme as Chief Guest. A total of 35 members, Regional officials of NABARD and KVK Scientists have participated in the programme. On this occasion, visit to KVK Demonstration units, method demonstration on Drone spraying were organized.

OPEN HOUSE EXHIBITION



University Officials Witnessing the Dog Show

Dr. P. Jagapathi Ramayya, Associate Dean of College of Veterinary Science, Tirupati has organized an Open House Exhibition from 5th to 6th of March 2024 to create awareness among the primary and secondary school children on various Livestock and Animal husbandry practices of the college. The students from various schools have visited the campus and seen the facilities available during the above two days.



Equestrian Skills of NCC Cadets, CVSc, Tirupati

Further, a Dog show was organized with Police snipper dogs and performed various activities like Identification of narcotics, explosives and catching of thieves etc., The students of CVSc, Tirupati demonstrated equestrian activities i.e. Tent pegging, Jumping, and different types of gaits etc., during the programme. This occasion was witnessed by Registrar Dr. A. Ravi, Dean Faculty of Veterinary Science, Dr. K.V. Brahmaiah, and Dean of Student Affairs, Dr J.V. Ramana.

STUDENT CORNER SPORTS, GAMES AND CULTURAL MEET



Inauguration of 12th Inter Collegiate Sports, Games, Cultural and Literary Meet at NTR CVSc, Gannavaram

The 12th Inter Collegiate Sports, Games, Cultural and Literary Meet was held at NTR CVSc, Gannavaram from 3rd to 7th January 2024. A total of 439 students participated in the event. The inaugural ceremony was graced by P. Sampath Kumar, IAS, JC & Additional District Magistrate, NTR dt, Vijayawada. The competitions were held in different events like Shot-put, long jump, 500 meters run, 100 meters run, Cricket, Volleyball, different cultural and literary events to identify the winners at the University level.

COLLEGE DAY CELEBRATIONS



First Collage Day Celebrations at CVSc, Garividi

The first College Day 2023 of College of Veterinary Science, Garividi was conducted on 08.02.2024 under the chairmanship of Dr. Makkena Sreenu, Associate Dean, CVSc, Garividi. In this connection, the first sports day was conducted on 05.02.2024. Dr. J. V. Ramana, Dean of Student Affairs, SVVU, Tirupati; Dr. Alha Singhari, Ex- Controller of Examination, SVVU, Tirupati; Dr. Sanyasi Rao, Municipal Additional Commissioner, Visakhapatnam; Dr. M. Kishore, District Animal Husbandry Officer, Srikakulam district; Dr. Visveswara Rao, District Animal Husbandry Officer, Vizianagaram district have attended the programme as Chief Guests. During this programme prizes were given to the students and staff for sports, literary, and cultural events.

AWARDS AND RECOGNITIONS



Dr. J. V. Ramana, DSA, SVVU, Tirupati has been conferred with 'ANSI Best Teacher Award' of ANSI during 20th Biennial international conference entitled "Sustainable Animal Nutrition for Global Health and Production: Innovations & Direction" (ANSICON-2024) held at Chennai from 23rd-25th January 2024.

Dr. V. Vijaya Geetha, Asst professor, Department of Dairy Technology, CDT, Tirupati has been awarded "Distinguished Teaching Leadership Award" in the field of Dairy Technology on 04th February, 2024 at Agri & Food Tech start-up Summit 2024, Agri and Food Tech Expo 2024 at ABM Grande, Theni, Tamil Nadu by Agriamigos Pvt Ltd and Prosper foundation



Dr. M.V.N. Suryanarayana, Professor & Head, Department of LFC, CVSc, Tirupati received the FELLOW of Animal Nutrition Society of India award at the Biennial International Conference on Animal Nutrition on "Sustainable Animal Nutrition for Global Health and Production: Innovations & Direction" (ANSICON-2024) held at Chennai from 23rd-25th January 2024.

Dr. I. Satish Kumar, Scientist , LRS, Garividi received the second prize for best oral presentation at the 21st Annual Convention of SOCDAB & National Symposium on Animal Production Systems and its Role in sustainable use of AnGR from 15th to 16th February 2024 held at NTR CVSc, Gannavaram.



Dr M. Naveen Swaroop, Assistant Professor, Dept. of VCC, NTR CVSc, Gannavaram received 1st prize for Oral Presentation on "Identification of Hub Genes and Circulating miRNA associated with Estrus in Buffaloes" during the 24th Indian Veterinary Congress and 31st Annual conference of IAAVR & National Symposium during 7th - 8th Feb, 2024 at LUVAS, Hisar, Haryana.



Dr K. S. Sai Krishna, Assistant Professor, Dept. of Veterinary Medicine, CVSc, Tirupati received 1st prize for oral Presentation on 'Electrocardiographic abnormalities in Canine dilated Cardiomyopathy and their Therapeutic Management' during the 2nd annual convention of ISVC and National Symposium on "Advances in Diagnostic Approaches and Therapeutic Management of Cardiac Diseases in Farm and Companion Animals" during 15th-16th February 2024 at RGIVER, Puducherry.



Dr. G. Sushma, Assistant Professor, Department of AGB, CVSc, Tirupati received first best oral presentation award for her presentation on 'Transcriptome profiling of ACACB knockdown chicken embryo myoblast cells' during the 21stAnnual Convention of SOCDAB and National Symposium on "Animal production systems and its role in sustainable use of AnGR" at NTR College of Veterinary Science, Gannavaram on 15th-16th February 2024.

A patent has been granted to SVVU along with PVNRTVU for an invention entitled "Balanced Mineral Feed Composition to Enhance the Reproductive Efficiency and Productivity of Dairy Animals". The patent was granted based on the research carried out by **Dr. J V Ramana, DSA, SVVU** as Principal Investigator, ICAR - Adhoc Project to Identify the mineral deficiencies in soil and animals of Rayalaseema region in AP, which resulted in the preparation of area specific minaral mixture to enhance Reproductive Efficiency and Productivity of Dairy Animals in Rayalaseema region.

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> > Book post