Karnataka State Council for Science and Technology

Indian Institute of Science, Bangalore – 560012

****

Progress Report: SCHEDULE CASTE AND SCHEDULE TRIBE (SC/ST) CELL - 2025

I. SCIENTIFIC LIVESTOCK FARMING FOR ENHANCING INCOME AND SUSTAINABILITY TRAINING PROGRAMME:

INTRODUCTION

Livestock rearing plays a significant role in the livelihood of small and marginal farmers in the Kalyana Karnataka region. However, traditional practices, limited access to scientific knowledge, and inadequate awareness of improved breeding, feeding, housing, and health care techniques often result in suboptimal productivity. In order to address these challenges and enhance the knowledge and skills of farmers and young entrepreneurs, a focused four-day training programme on "Scientific Livestock Farming for Enhancing Income and Sustainability" was conducted with the funding support of Department of Science and Technology, Government of India, sponsored by Karnataka State Council for Science and Technology, Bengaluru during 15 to 18th July, 2025 by Livestock Research and Information Centre (Deoni), Bidar in collaboration with Veterinary College, Bidar. This training served as a platform to disseminate scientific advancements and best practices in dairy, sheep, goat and poultry management.

BROAD OBJECTIVE

Broad objective of this programme was to improve livestock productivity of farm families by improving management practices, service delivery and demonstration of newer technologies.

SPECIFIC OBJECTIVES

- To conduct need based and demand driven capacity building programmes for the farmers about scientific livestock (includes dairy, sheep, goat and poultry) management practices.
- Improving knowledge and skills of farmers for effective transfer of livestock technologies.
- Distribution of inputs for motivating towards establishment of small enterprises.

DETAILS OF DAY WISE PROGRAMMES

Day 1 (15th July, 2025)

Inauguration

Dr. Prakashkumar Rathod, Associate Professor and Course Director briefed about the background of the programme and welcomed all the dignitaries, resource faculty, farmers and other staff for inaugural programme.

Inauguration of training programme by dignitaries

Prof. K. C. Veeranna, Hon'le Vice-Chancellor, KVAFSU, Bidar inaugurated the programme and congratulated the organizers for considering very opt topic for the programme. He emphasized that livestock activities must undertake along with agriculture activities for enhancing income and sustainability. These livelihood activities act as continuous source of income for small and landless farmers. He also appreciated the efforts of KSCST, Bengaluru in identifying need-based skill development sectors for the livelihood security of SC-ST farmers in Karnataka State.

Dr. B. V. Shivaprakash, Director of Research, KVAFSU, Bidar emphasized that, KVAFSU, Bidar founded in 2004-05 has brought many innovations in teaching, research and extension activities for the farmers in livestock and fisheries sector. As a result of this, the productivity and production in animal husbandry and fisheries have increased significantly.

Dr. Basavaraj Awati, Director of Extension, KVAFSU, Bidar informed that KVAFSU is the only Veterinary and Fisheries University in the state and has been innovating new technologies in

animal husbandry, veterinary and fisheries for the benefit of farmers for last 20 years and delivering them to the doorsteps of the farmers. He also encouraged the farmers to learn different scientific practices and adopt them at field conditions.

Dr. Narasappa D, Deputy Director (Admin), Department of AH&VS, Bidar motivated the farmers to undertake scientific animal husbandry practices to improve their income status. Further, he also narrated different success stories for the benefit of farmers. He also emphasized that the incidences of farmer suicide are less if the farmers are involved in animal husbandry activities along with agriculture.

Release of training manuals by dignitaries

Shri. Gangadharappa, R, Project Engineer, KSCST, Bangalore briefed about KSCST activities for the socio-economic development of SC-ST communities based on the field level or baseline studies. He also congratulated KVAFSU, Bidar for collaborating with KSCST, Bangalore in conducting this need-based training programme.

Dr. R.G. Bijurkar, Dean (i/c), Veterinary College, Bidar delivered the presidential remarks and Dr. Vidyasagar, Assistant Professor, Veterinary College, Bidar proposed the formal vote of thanks. Dr. Kotresh Prasad, Assistant Professor, Veterinary College, Bidar compered the inaugural programme.

Technical Sessions

The following lectures were conducted by different resource faculty on first day for the benefit of participants. The farmers were made aware about the importance of scientific livestock farming in the form of dairy, sheep, goat, poultry, fodder production etc. Further, they also learnt about activities of KSCST, characteristics of good dairy animals, cattle and buffalo breeds, sheep and goat breeds

and their importance. The farmers were also exposed to different housing systems in dairy and small ruminant farming.

Lecture on selection of dairy animals and breeds for profitable dairying

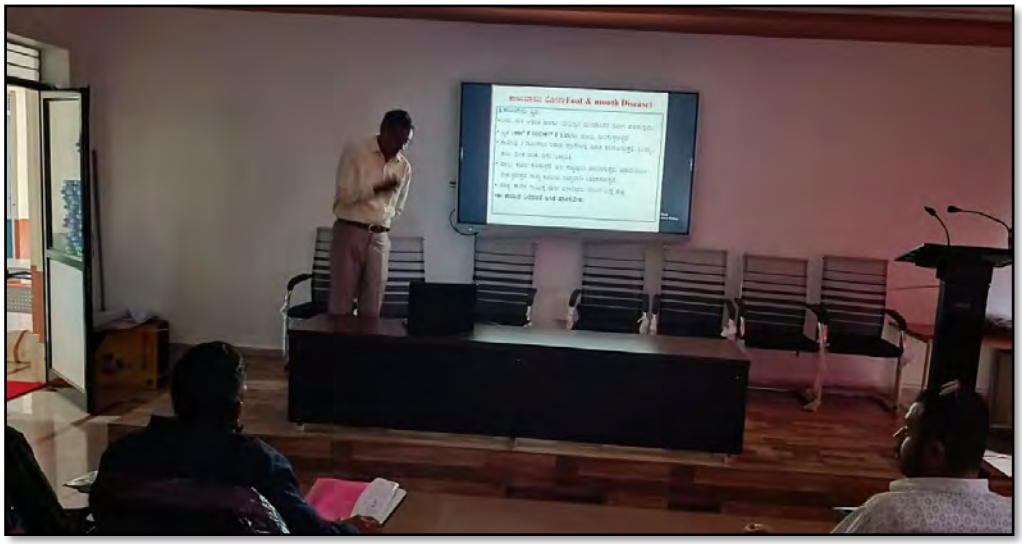
Lecture and visit of on selection of scientific housing practices

Topic	Resource Faculty
Introduction to Sustainable Livestock Farming and Importance	Dr. Prakashkumar Rathod
Activities of KSCST, Bengaluru	Shri. Gangadharappa, R.
Selection of Dairy Animals and Breeds for Profitable Dairying	Dr. Basavaraj Inamdar

Breeds of Goats and Sheep	Dr. Anand Kumar
Scientific Housing Practices for Livestock (Including Visit)	Dr. Kotresh Prasad

Day 2 (16th July, 2025)

On the second day, the farmers were exposed to scientific feeding practices, different diseases, their scientific management, vaccination and deworming schedule, important reproductive issues etc. Further, the farmers also learnt about different challenges in market and different solutions to address them. The farmers also visited different facilities and infrastructure like diagnostic units, X-ray units and clinical complex at KVAFSU. The farmers were also briefed about importance and economics of value addition in livestock products including demonstration of different products.



Lecture on scientific health management of livestock

Topic	Resource Faculty
Scientific feeding Practices for Livestock	Dr. Ravindra Dombar
Scientific Health Management of Livestock (Including Visit to VCC)	Dr. B. V. Shivaprakash
Calf per year and Reproductive Issues in Livestock	Dr. Pasha M M
Livestock Marketing: Opportunities and Challenges	Dr. Channappagouda Biradar
Importance and Economics of Value Addition in Livestock (Including Demonstration)	Dr. Kiran M

Demonstration on milk and meat products preparation

Day 3 (17th July, 2025) (LRIC-Deoni, Bidar)

On the third day, the farmers were exposed to different endo and ecto-parasites and scientific ways to control them. Further, the farmers also learnt about different methods of entrepreneurship development, housing systems, fodder chaffing through demonstration, history and strains of Deoni cattle breed at LRIC (Deoni), Bidar. Further, the farmers also visited and learnt about different fodder verities, agronomical practices, importance of vermicompost, its economics and effective ways of waste (Urine and Dung) utilization.

Lecture on parasitic control in livestock

Demonstration of fodder chaffing at LRIC (Deoni), Bidar

Topic	Resource Faculty
Parasitic Control in Livestock	Dr. Adeppa
Activities of LRIC (Deoni), Bidar and Entrepreneurship Development	Dr. Prakashkumar Rathod
Deoni Cattle Breed and Scientific Housing Systems	Dr. Udaykumar
Scientific Green Fodder Production and Agronomic Practices (Including Field Visit)	Dr. Vijaykumar N
Effective Utilization of Dairy Waste (Urine and Dung) Management (Including Field Visit)	Dr. Vijaykumar N

Fodder museum visit at LRIC (Deoni), Bidar

Day 4 (18th July, 2025)

On the fourth and last day, the farmers were exposed to different government schemes and programmes for getting funding support for developing livestock entrepreneurship. This was well appreciated by the participants as they learnt about different schemes and procedures to get the funding support. Further, the farmers also learnt about feeding and health management of poultry, scientific housing and brooding management, hatchery management apart from poultry farm and hatchery visit.

Visit to poultry farm at Veterinary College, Bidar

Topic	Resource Faculty
Government Schemes and Funding Support for Livestock Entrepreneurship	Dr. Somashekar H
Scientific Feeding and Health Management of Poultry	Dr. Vidyasagar Dr. Kotresh Prasad
Scientific Housing and Brooding Management	
Poultry farm Visit	Dr. Vidyasagar Dr. Satish Chandra Biradar

Valedictory Session

Dr. Prakashkumar Rathod, Associate Professor and Course Director delivered the training report and welcomed all the dignitaries, resource faculty, farmers and other staff for valedictory programme. He mentioned that 35 farmers from four districts (Bidar, Raichur, Kalaburgi and Chitradurga) actively participated in the training programme.

Distribution of certificates to the participants

Smt. R. Devika, Joint Director (Agriculture), Department of Agriculture, Bidar congratulated the organizers and farmers for successfully completing the training programme. She emphasized that farmers should focus on integrated farming for enhancing income and sustainability. She also briefed about few important government schemes and programmes for the benefit of farmers and called upon the farmers to contact their nearest offices in this matter.

Shri. Basavaraj Bhatmurge, Hon'ble Member, Board of Management, KVAFSU, Bidar motivated the farmers to undertake scientific practices for enhancing income and sustainability. He

also appreciated the efforts of KSCST in identifying KVAFSU, Bidar for conducting this need-based skill development programme.

Distribution of poultry chicks to the participants

Dr. B. V. Shivaprakash, Director of Research, KVAFSU, Bidar emphasized that farmers must take the benefits from this university in the form of technical advice, field visit, treatment etc. He also narrated few success stories in livestock sector for the benefit of participants.

Shri. Gangadharappa, R, Project Engineer, KSCST, Bangalore briefed about KSCST activities for the socio-economic development of SC-ST communities based on the field level or baseline studies. He also congratulated KVAFSU, Bidar for collaborating with KSCST, Bangalore in conducting this need-based training programme.

Distribution of fodder stem cuttings to the participants

The dignitaries on the dais distributed participation certificates, poultry chicks and fodder stem-cutting depending on the need and interest of the farmers.

Dr. R.G. Bijurkar, Dean (i/c), Veterinary College, Bidar delivered the presidential remarks and Dr. Vidyasagar, Assistant Professor, Veterinary College, Bidar proposed the formal vote of thanks. Dr. Kotresh Prasad, Assistant Professor, Veterinary College, Bidar compered the valedictory programme.

FARMERS' FEEDBACK AND LEARNING EXPERIENCES

The training programme proved to be a significant knowledge-sharing platform that benefited all the participants in following ways.

- Information and knowledge regarding different breeds of Indigenous and cross breeds of cattle, buffalo, goat and sheep and other livestock, their milk yield purpose of rearing, meat yield, selling price etc.
- Information regarding various breeds of chickens their egg production, meat yield and importance of egg as part of balanced diet.
- Information regarding green-fodder crops (leguminous, non-leguminous and tree fodders), space requirement, conditions suitable for their cultivation, water requirement, yield/acre in a year, nutritional content and their importance as animal feed.
- Value addition to milk and meat -- Information about the preparation of value added milk and meat products, their yield and period of storage, selling price etc.
- Methods of vermicomposting, selection of earth worm, feeding for earthworms, and advantages of vermicomposting and biofertilizers over fertilizers.
- Information regarding various bacterial and viral diseases prevailing in the region and their prevention by annual and biannual vaccination for control and eradication of diseases.

Feedback of the participants about the training programme

- Information regarding external and internal parasites, deworming, and deworming schedules etc.
- Care and management of livestock including selective breeding, hygienic milking procedures, management of nutritional and mineral deficiencies, knowledge about artificial insemination and its importance.
- Different avenues of livestock entrepreneurship and business development.
- Increased entrepreneurial interest among the participants in animal husbandry and poultry sectors.

LIMITATIONS

- Four days programme was not sufficient as there were many other topics to be covered for the benefit of participants.
- Hands on training/ experience was required for skill development in case of preparation of milk and meat products, silage etc.
- The farmers demanded more number of poultry chicks and fodder stem-cuttings from the organizers.

WAY FORWARD

The training programme was a landmark event in promoting scientific knowledge and livelihood opportunities in livestock and poultry sector. Further, the organizers aim to:

- Work towards increasing adoption of field-based technologies to enhance productivity and sustainability.
- Expand the scale of existing farming systems by involving participants with technical guidance and collaborations.
- Conduct field-based studies to understand the outcome/impact of this training in the form of income growth, knowledge enhancement and entrepreneurship development.
- Create more focused farming systems like dairy, sheep, goat, poultry etc. to achieve income growth and sustainability.

Group photo of participants

COVERAGE IN PRESS AND MEDIA

ಪ್ರಜಾವಾಣಿ

ಪಶು ಹಾಗೂ ಮೀನುಗಾರಿಕೆ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಪತಿ ಹೇಳಿಕೆ

'ಆರ್ಥಿಕ ಸಬಲತೆಗೆ ಕೃಷಿ, ಉಪ ಕಸುಬು ಅಗತ್ಯ'

ಪ್ರಜಾವಾಣಿ ವಾರ್ತೆ

ಬೀದರ್: 'ರೈತರು ಕೃಷಿಯೊಂದನ್ನೇ ನೆಚ್ಚಿಕೊಳ್ಳದೆ ಅದರೊಂದಿಗೆ ಇತರೆ ಉಪ ಕಸುಬು ಮಾಡಿದರೆ ಆರ್ಥಿಕವಾಗಿ ಸಬಲರಾಗಬಹುದು' ಎಂದು ಕರ್ನಾಟಕ ಪಶು ವೈದ್ಯಕೀಯ, ಪಶು ಹಾಗೂ ಮೀನುಗಾರಿಕೆ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಪತಿ ಪ್ರೊ.ಕೆ.ಸಿ.ವೀರಣ್ಣ ತಿಳಿಸಿದರು.

ಕಟ್ಟತೂಗಾಂವ್ ಜಾನುವಾರು ಸಂಶೋಧನೆ ಮತ್ತು ಮಾಹಿತಿ ಕೇಂದ್ರ (ದೇವಣಿ), ಪಶು ವೈದ್ಯಕೀಯ ಕಾಲೇಜಿನ ಸಹಯೋಗದಲ್ಲಿ ಪರಿಶಿಷ್ಟ ಜಾತಿ ಮತ್ತು ಪರಿಶಿಷ್ಟ ಪಂಗಡದ ರೈತರು ಹಾಗೂ ಪಶುಪಾಲಕರಿಗೆ ಏರ್ಪಡಿಸಿದ್ದ 'ವೈಜ್ಞಾನಿಕ ಪಶುಪಾಲನೆಯಿಂದ ಆರ್ಥಿಕ ಅಭಿವೃದ್ಧಿ ಮತ್ತು ಸುಸ್ಥಿರತೆ' ಕುರಿತ ನಾಲ್ಕು ದಿನಗಳ ತರಬೇತಿ ಕಾರ್ಯಕ್ರಮಕ್ಕೆ ವಿವಿಯಲ್ಲಿ ಮಂಗಳವಾರ ಚಾಲನೆ ನೀಡಿ ಮಾತನಾಡಿದರು.

'ವೈಜ್ಞಾನಿಕ ಪಶು ಪಾಲನೆಗೆ ರೈತರು ಮುಂದಾಗಬೇಕು. ಇದರಿಂದ ಆರ್ಥಿಕವಾಗಿ ಸದೃಢರಾಗಬಹುದು. ಕೃಷಿಯಲ್ಲಿ ಏನೇ ಏರುಪೇರಾದರೂ ಇದು ಕೈಹಿಡಿಯುತ್ತದೆ. ಪಶು ಪಾಲನೆ ಹೇಗೆ ಮಾಡಬೇಕು? ಅದರಿಂದ ಕೈತುಂಬ ಹಣ ಹೇಗೆ ಗಳಿಸಬಹುದು ಎಂಬುದನ್ನು ತಜ್ಞರು ಹೇಳುತ್ತಾರೆ. ಅವರ ಸಲಹೆ ಪಡೆದು ಮುಂದುವರಿಯಬೇಕು' ಎಂದು ಸಲಹೆ ನೀಡಿದರು.

'ಪಶು ಪಾಲನೆಯಲ್ಲಿ ತೊಡಗಿಸಿಕೊಂಡ ಹೆಚ್ಚಿನ ರೈತರು ಆರ್ಥಿಕವಾಗಿ ಸದೃಢರಾಗಿದ್ದಾರೆ. ಈ ವಲಯದಲ್ಲಿ ರೈತರು ಆತ್ಮಹತ್ಯೆ ಮಾಡಿಕೊಂಡ ನಿದರ್ಶನಗಳಿಲ್ಲ. ಇದು ರೈತರಲ್ಲಿ ಆತ್ಮವಿಶ್ವಾಸ ಬೆಳೆಸುತ್ತದೆ. ಆದಕಾರಣ ಪಶು ಪಾಲನೆಯಲ್ಲಿ ಹೆಚ್ಚಾಗಿ ತೊಡಗಿಸಿಕೊಳ್ಳಬೇಕು. ಇದಕ್ಕೆ ನೆರವು ನೀಡಲು ಅನೇಕ ತಜ್ಞರಿದ್ದಾರೆ. ಇದರ ಪ್ರಯೋಜನ ಪಡೆಯಬೇಕು' ಎಂದು ಪಶುಸಂಗೋಪನೆ ಹಾಗೂ ಪಶುವೈದ್ಯಕೀಯ ಸೇವಾ ಇಲಾಖೆಯ ಉಪನಿರ್ದೇಶಕ ಡಾ.ನರಸಪ್ಪ ಡಿ. ತಿಳಿಸಿದರು.

ನಾಲ್ಕು ದಿನಗಳ ಅವಧಿಯಲ್ಲಿ ತಜ್ಞರು, ರೈತರಿಗೆ ಹೈನುರಾಸುಗಳ ಆಯ್ಕೆ, ಕಡಿಮೆ ಖರ್ಚಿನಲ್ಲಿ ಹಸಿ ಮೇವು ಹಾಗೂ ಪಶು ಆಹಾರ ತಯಾರಿಸುವುದು, ಜಾನುವಾರುಗಳ ಆರೋಗ್ಯ ರಕ್ಷಣೆ, ಪ್ರಸೂತಿ ಹಾಗೂ ಸಂತಾನೋತ್ಪತ್ತಿಯ ಸಮಸ್ಯೆಗಳು, ಬೇಸಿಗೆಯಲ್ಲಿ ಜಾನುವಾರುಗಳ ನಿರ್ವಹಣೆ, ಹಾಲಿನ ವಿವಿಧ ಉತ್ಪನ್ನಗಳು ಹಾಗೂ ಮಾರುಕಟ್ಟೆಯ ಕುರಿತು ಸಲಹೆ ನೀಡುವರು.

ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿಯ ಯೋಜನಾ ಎಂಜಿನಿಯರ್ ಗಂಗಾಧರಪ್ಪ, ಪಶು ವಿವಿ ಸಂಶೋಧನಾ ನಿರ್ದೇಶಕ ಡಾ.ಬಿ. ವಿ.ಶಿವಪ್ರಕಾಶ, ವಿಸ್ತರಣಾ ನಿರ್ದೇಶಕ ಡಾ.ಬಸವರಾಜ ಅವಟಿ, ಪ್ರಭಾರ ಡೀನ್ ಡಾ.ಆರ್. ಜಿ.ಬಿಜಿಪುರಕರ್, ಸಹ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ.ಪ್ರಕಾಶ ಕುಮಾರ ರಾಠೋಡ್, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರಾದ ಡಾ.ವಿದ್ಯಾಸಾಗರ, ಡಾ. ಕೊಟ್ರೇಶ ಪ್ರಸಾದ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಹಾಜರಿದ್ದರು.

ಮುಖ್ಯಾಂಶಗಳು

- ನಾಲ್ಕು ದಿನಗಳ ತರಬೇತಿಗೆ ಚಾಲನೆ
- ವಿವಿಧ ಭಾಗಗಳ 35 ರೈತರು ಭಾಗಿ
- ಪಶುಪಾಲನೆಗೆ ತಜ್ಞರಿಂದ ಸಲಹೆ

ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಕರ್ನಾಟಕ ಪಶು ವೈದ್ಯಕೀಯ, ಪಶು ಹಾಗೂ ಮೀನುಗಾರಿಕೆ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಪತಿ ಪ್ರೊ.ಕೆ. ಸಿ.ವೀರಣ್ಣ ಹಾಗೂ ಇನ್ನಿತರರು ಪಶುಪಾಲನೆಗೆ ಸಂಬಂಧಿಸಿದ ಪುಸ್ತಕ ಬಿಡುಗಡೆಗೊಳಿಸಿದರು

ಬೀದರ್‌ನಲ್ಲಿ ಪಶು ಪಾಲಕರಿಗೆ ತರಬೇತಿ ಆರಂಭ

ಪಶುಪಾಲನೆಗೆ ಮುಂದಾಗಲಿ

ಬೀದರ್‌ನ ಕಮಠಾಣಾ ಹತ್ತಿರದ ಪಶುವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಎಸ್ಸಿ, ಎಸ್ಟಿ ರೈತ ಮತ್ತು ಪಶುಪಾಲಕರಿಗಾಗಿ ನಾಲ್ಕು ದಿವಸ ಆಯೋಜಿಸಿದ ವೈಜ್ಞಾನಿಕ ಪಶು ಪಾಲನೆಯಿಂದ ಆರ್ಥಿಕ ಅಭಿವೃದ್ಧಿ ಮತ್ತು ಸುಸ್ಥಿರತೆ ಕುರಿತ ತರಬೇತಿ ಕಾರ್ಯಕ್ರಮ ಪಶು ವಿವಿಯ ಕುಲಪತಿ ಪ್ರೊ .ಕೆ.ಸಿ.ವೀರಣ್ಣ ಉದ್ಘಾಟಿಸಿದರು.

■ **ವಿಕ ಸುದ್ದಿಲೋಕ** ಬೀದರ್

ರೈತರು ಕೃಷಿ ಜತೆಗೆ ವೈಜ್ಞಾನಿಕ ಪಶು ಪಾಲನೆಗೆ ಮುಂದಾಗಬೇಕು. ಉಪಕಸುಬು ಕೈಗೆತ್ತಿಕೊಂಡಾಗ ಆರ್ಥಿಕವಾಗಿ ಸಬಲರಾಗಲು ಸಾಧ್ಯ ಎಂದು ಕರ್ನಾಟಕ ಪಶುವೈದ್ಯಕೀಯ ಪಶು ಹಾಗೂ ಮೀನುಗಾರಿಕೆ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಪತಿ ಪ್ರೊ.ಕೆ.ಸಿ. ವೀರಣ್ಣ ಹೇಳಿದರು.

ತಾಲೂಕಿನ ಕಮಠಾಣ ಹತ್ತಿರದ ಬೀದರ್ ಪಶು ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಜಾನುವಾರು ಸಂಶೋಧನೆ ಮತ್ತು ಮಾಹಿತಿ ಕೇಂದ್ರ (ದೇವಣಿ) ಕಟ್ಟಿತು ಗಾಂವ ಹಾಗೂ ಪಶುವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯ ದಿಂದ ಪರಿಶಿಷ್ಟ ಜಾತಿ ಮತ್ತು ಪರಿಶಿಷ್ಟ ಪಂಗಡದ ರೈತ ಬಾಂಧವರಿಗಾಗಿ/ಪಶುಪಾಲಕರಿಗಾಗಿ ವೈಜ್ಞಾನಿಕ ಪಶುಪಾಲನೆಯಿಂದ ಆರ್ಥಿಕ ಅಭಿವೃದ್ಧಿ ಮತ್ತು ಸುಸ್ಥಿರತೆ ಕುರಿತ ನಾಲ್ಕು ದಿವಸ ತರಬೇತಿ ಕಾರ್ಯಕ್ರಮ ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡಿದರು.

ರಾಜ್ಯವು ಪಶುಪಾಲನೆಗೆ ಪೂರಕವಾದ್ದರಿಂದ ರೈತರು ಇವುಗಳಲ್ಲಿ ತೊಡಗಿ ಹೆಚ್ಚಿನ ಆದಾಯ ಪಡೆಯಬೇಕು. ಲಭ್ಯವಿರುವ ವಿವಿಧ ತಜ್ಞರ ಸಲಹೆ ಪಡೆದು ವೈಜ್ಞಾನಿಕವಾಗಿ ಪಶುಪಾಲನೆ ಮತ್ತು ಮೌಲ್ಯವರ್ಧನೆಯಿಂದ ಹೆಚ್ಚಿನ ಲಾಭ ಪಡೆದುಕೊಳ್ಳಬೇಕು ಎಂದು ಹೇಳಿದರು.

ಪಶುಸಂಗೋಪನೆ ಹಾಗೂ ಪಶುವೈದ್ಯಕೀಯ ಸೇವಾ ಇಲಾಖೆ ಉಪನಿರ್ದೇಶಕ ಡಾ.ನರಸಪ್ಪ ಡಿ. ಮಾತನಾಡಿ, ರೈತರು ಆತ್ಮವಿಶ್ವಾಸ ಹಾಗೂ ಸಹನೆಯಿಂದ ಪಶುಪಾಲನೆಯಲ್ಲಿ ತೊಡಗಿಸಿಕೊಂಡರೆ ಆರ್ಥಿಕ ಅಭಿವೃದ್ಧಿ ಮತ್ತು ಸುಸ್ಥಿರತೆ ಸಾಧ್ಯ ಎಂದು ಅಭಿಪ್ರಾಯಪಟ್ಟರು.

ಮಹಾವಿದ್ಯಾಲಯದ ಪ್ರಭಾರಿ ಡೀನ್ ಡಾ. ಆರ್.ಜಿ.ಬಿಜುರಕರ್ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು. ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ ಗಂಗಾಧರಪ್ಪ ಆರ್. ಮಾತನಾಡಿದರು. ವಿವಿಯ ಸಂಶೋಧನಾ ನಿರ್ದೇಶಕ ಡಾ.ಬಿ.ವಿ. ಶಿವಪ್ರಕಾಶ, ವಿಸ್ತರಣಾ ನಿರ್ದೇಶಕ ಡಾ.ಬಸವರಾಜ ಅವಟಿ, ಡಾ.ಪ್ರಕಾಶ ಕುಮಾರ ರಾಠೋಡ, ಡಾ. ವಿದ್ಯಾಸಾಗರ, ಡಾ.ಕೊಟ್ರೇಶ ಪ್ರಸಾದ ಇತರರಿದ್ದರು.

ಕಲ್ಯಾಣ ಕರ್ನಾಟಕ

'ಪಶುಪಾಲನೆಯಿಂದ ಆರ್ಥಿಕ ಸಬಲತೆ'

ಪಶುಪಾಲನೆಗೆ ಕರ್ನಾಟಕ ಪೂರಕ ■ ಮೌಲ್ಯವರ್ಧನೆಯಿಂದ ಹೆಚ್ಚಿನ ಲಾಭ ನಿರೀಕ್ಷಿಸಲು ಸಾಧ್ಯ: ಪ್ರೊ। ವೀರಣ್ಣ

■ ಉದಯವಾಣಿ ಸಮಾಚಾರ

ಬೀದರ: ರೈತರು ಕೃಷಿಯ ಜತೆಗೆ ವೈಜ್ಞಾನಿಕ ಪಶುಪಾಲನೆಯಂತಹ ಉಪ ಕಸುಬುಗಳನ್ನು ಕೈಗೆತ್ತಿಕೊಂಡರೆ ಆರ್ಥಿಕವಾಗಿ ಸುಲಭವಾಗಲು ಸಾಧ್ಯ ಎಂದು ಪಶು ವೈದ್ಯಕೀಯ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕುಲಪತಿ ಪ್ರೊ। ಕೆ.ಸಿ.ವೀರಣ್ಣ ಹೇಳಿದರು.

ನಗರದ ಪಶು ಪಶು ವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಜಾನುವಾರು ಸಂಶೋಧನೆ ಮತ್ತು ಮಾಹಿತಿ ಕೇಂದ್ರ (ದೇವಣಿ) ಹಾಗೂ ಪಶುವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯದ ಸಹಯೋಗದಲ್ಲಿರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿಯಿಂದ ಪರಿಶಿಷ್ಟ ಜಾತಿ ಮತ್ತು ಪಂಗಡದ ರೈತ ಬಾಂಧವರು/ ಪಶುಪಾಲಕರಿಗಾಗಿ ಹಮ್ಮಿಕೊಂಡಿರುವ ನಾಲ್ಕು ದಿನಗಳ 'ವೈಜ್ಞಾನಿಕ ಪಶುಪಾಲನೆಯಿಂದ ಆರ್ಥಿಕ ಅಭಿವೃದ್ಧಿ ಮತ್ತು ಸುಸ್ಥಿರತೆ' ಕುರಿತ ತರಬೇತಿ ಕಾರ್ಯಕ್ರಮ ಉದ್ಘಾಟಿಸಿ, ಅವರು ಮಾತನಾಡಿದರು.

ಕರ್ನಾಟಕವು ಪಶುಪಾಲನೆಗೆ ತುಂಬಾ ಪೂರಕವಾಗಿದ್ದು ರೈತರು ಇವುಗಳಲ್ಲಿ ತೊಡಗಿ ಹೆಚ್ಚಿನ ಆದಾಯ ಪಡೆಯಬೇಕು. ಲಭ್ಯವಿರುವ ವಿವಿಧ ತಳಿಯ ಸಂಸ ಪಡೆದು ವೈಜ್ಞಾನಿಕವಾಗಿ ಪಶುಪಾಲನೆಯನ್ನು ಕೈಗೊಳ್ಳಬೇಕು ಮತ್ತು ಮೌಲ್ಯವರ್ಧನೆಯಿಂದ ಹೆಚ್ಚಿನ ಲಾಭ ಪಡೆಯಬೇಕು ಎಂದು ರೈತರಿಗೆ ಸಲಹೆ ನೀಡಿದರು.

ಬೀದರ: ನಗರದ ಪಶು ಪಶು ವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಆಯೋಜಿಸಿರುವ ರೈತರು/ ಪಶುಪಾಲಕರಿಗಾಗಿ ತರಬೇತಿ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ವಿಸಿ ಕುಲಪತಿ ಪ್ರೊ। ಕೆ.ಸಿ.ವೀರಣ್ಣ ಮಾತನಾಡಿದರು.

ಪಶುಸಂಗೋಪನೆ ಹಾಗೂ ಪಶುವೈದ್ಯಕೀಯ ಸೇವಾ ಇಲಾಖೆಯ ಉಪ ನಿರ್ದೇಶಕ ಡಾ। ನಾಗಪ್ಪ ಡಿ. ಮಾತನಾಡಿ, ರೈತರು ಆತ್ಮವಿಶ್ವಾಸ ಹಾಗೂ ಸಹನೆಯಿಂದ ಪಶುಪಾಲನೆಯಲ್ಲಿ ತೊಡಗಿಸಿಕೊಂಡರೆ ಆರ್ಥಿಕ ಅಭಿವೃದ್ಧಿ ಮತ್ತು ಸುಸ್ಥಿರತೆ ಸಾಧ್ಯ. ಪಶುಪಾಲನೆಯಲ್ಲಿ ತೊಡಗಿಸಿಕೊಂಡ ರೈತರು ಆತ್ಮಹತ್ಯೆಯಿಂದ ದೂರವಿರುತ್ತಾರೆ.

ಮಂಡಳಿಯ ಯೋಜನಾ ಇಂಜಿನಿಯರ್ ಗಂಗಾಧರಪ್ಪ ಆರ್. ಮಾತನಾಡಿದರು. ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ವಿವಿ ಸಂಶೋಧನಾ ನಿರ್ದೇಶಕ ಡಾ। ಬಿ.ವಿ ಶಿವಪ್ರಕಾಶ, ವಿಸ್ತರಣಾ ನಿರ್ದೇಶಕ ಡಾ। ಬಸವರಾಜ ಆಡಟಿ, ಸಸ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ। ಪ್ರಕಾಶಮೂರ್ತಿ ಡಾಕೋಜ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರಾದ ಡಾ। ವಿದ್ಯಾಸಾಗರ್, ಡಾ। ಕೊಟ್ರೇಶ್ ಪ್ರಸಾದ ಮತ್ತಿತರರಿದ್ದರು. ಪ್ರಭಾರಿ ಡೀನ್ ಡಾ। ಆರ್.ಜಿ ಬಿಜೂರಕರ್ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು.

ವಿಷಯ ತಜ್ಞರು ರೈತರಿಗೆ ಹೈನುರಾಸುಗಳ ಆಯ್ಕೆ, ಕರಿಮೆ ನಿರ್ವಹಣೆ, ಹಸಿ ಮೇವು ಹಾಗೂ ಪಶು ಆಹಾರ ತಯಾರಿಸುವುದು, ಜಾನುವಾರುಗಳ ಆರೋಗ್ಯ ರಕ್ಷಣೆ, ಪ್ರಸೂತಿ ಹಾಗೂ ಸಂತಾನೋತ್ಪತ್ತಿಯ ಸಮಸ್ಯೆಗಳು, ಬೇಸಿಗೆಯಲ್ಲಿ ಜಾನುವಾರುಗಳ ನಿರ್ವಹಣೆ, ಸಾಲಿನ ವಿವಿಧ ಉತ್ಪನ್ನಗಳು ಹಾಗೂ ಮಾರುಕಟ್ಟೆಯಿಂತಹ ವಿವಿಧ ವಿಷಯಗಳ ಬಗ್ಗೆ ಮಾಹಿತಿ ನೀಡಲಿದ್ದಾರೆ. ಈ ತರಬೇತಿಯಲ್ಲಿ ಒಟ್ಟು 35 ರೈತರು/ಪಶುಪಾಲಕರು ಪ್ರಯೋಜನ ಪಡೆಯುತ್ತಿದ್ದಾರೆ ಎಂದು ಮಹಾವಿದ್ಯಾಲಯ ತಿಳಿಸಿದೆ.

'ಸಮಗ್ರ ಕೃಷಿ ಪದ್ಧತಿ ಅಳವಡಿಸಿಕೊಳ್ಳಿ'

■ ವಿಕ ಸುದ್ದಿಲೋಕ ಬೀದರ್

ಆಧುನಿಕ ಯುಗದಲ್ಲಿ ಸಮಗ್ರ ಕೃಷಿ ಪದ್ಧತಿ ಅಳವಡಿಕೆ ಅನಿವಾರ್ಯವಾಗಿದೆ ಎಂದು ಜಂಟಿ ಕೃಷಿ ನಿರ್ದೇಶಕಿ ದೇವಿಕಾ ಆರ್. ಅಭಿಪ್ರಾಯಪಟ್ಟರು.

ತಾಲೂಕಿನ ಕಮಠಾಣಾ ಹತ್ತಿರದ ಬೀದರ್ ಪಶುವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಜಾನುವಾರು ಸಂಶೋಧನೆ ಮತ್ತು ಮಾಹಿತಿ ಕೇಂದ್ರ (ದೇವಣಿ) ಕಟ್ಟಿತುಗಾಂವ ಹಾಗೂ ಪಶು ವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯದಿಂದ ಪರಿಶಿಷ್ಟ ಜಾತಿ ಮತ್ತು ಪರಿಶಿಷ್ಟ ಪಂಗಡದ ರೈತರಿಗಾಗಿ, ಪಶು ಪಾಲಕರಿಗಾಗಿ ಹಮ್ಮಿಕೊಂಡಿದ್ದ 'ವೈಜ್ಞಾನಿಕ ಪಶುಪಾಲನೆಯಿಂದ ಆರ್ಥಿಕ ಅಭಿವೃದ್ಧಿ ಮತ್ತು ಸುಸ್ಥಿರತೆ' ಕುರಿತು ತರಬೇತಿ ಶಿಬಿರದ ಸಮಾರೋಪ ಸಮಾರಂಭದಲ್ಲಿ ಮಾತನಾಡಿದರು.

ರೈತರು ಕೃಷಿ ಜತೆಗೆ ವೈಜ್ಞಾನಿಕ ಪಶುಪಾಲನೆ ಅಂತಹ ಉಪಕಸುಬುಗಳನ್ನು ಕೈಗೆತ್ತಿಕೊಂಡಾಗ ಮಾತ್ರ ಆರ್ಥಿಕವಾಗಿ ಸಬಲರಾಗಲು ಸಾಧ್ಯ ಎಂದರು. ಕರ್ನಾಟಕ ಪಶು ವಿವಿಯ ವ್ಯವಸ್ಥಾಪಕ ಮಂಡಳಿ ಸದಸ್ಯ ಬಸವರಾಜ ಭತಮುರ್ಗೆ ಮಾತನಾಡಿ, ತರಬೇತಿ ಪಡೆದ ಎಲ್ಲ ಶಿಬಿರಾರ್ಥಿಗಳು ಮುಂದಿನ ದಿನಗಳಲ್ಲಿ ಆಧುನಿಕ ಪದ್ಧತಿಗಳನ್ನು ಬಳಸಿಕೊಂಡು ಆತ್ಮವಿಶ್ವಾಸ ಹಾಗೂ ಧೈರ್ಯದಿಂದ ಪಶು ಪಾಲನೆಯಲ್ಲಿ ತೊಡಗಿಸಿಕೊಂಡು ಅಭಿವೃದ್ಧಿ ಹೊಂದಬೇಕು ಎಂದು ಹೇಳಿದರು.

ಬೀದರ್‌ನ ಪಶು ವೈದ್ಯಕೀಯ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ರೈತ ಮತ್ತು ಪಶು ಪಾಲಕರಿಗಾಗಿ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ತರಬೇತಿ ಶಿಬಿರದ ಸಮಾರೋಪ ಸಮಾರಂಭದಲ್ಲಿ ಶಿಬಿರಾರ್ಥಿಗಳಿಗೆ ಮೇವಿನ ಕಡ್ಡಿ, ತುಂಡುಗಳನ್ನು ವಿತರಿಸಲಾಯಿತು. ಇತರರು ಇದ್ದರು.

ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿಯ ಗಂಗಾಧರಪ್ಪ ಆರ್. ಮಾತನಾಡಿದರು. ಮಹಾವಿದ್ಯಾಲಯದ ಪ್ರಭಾರಿ ಡೀನ್ ಡಾ.ಆರ್.ಜಿ.ಬಿಜೂರಕರ್ ಅಧ್ಯಕ್ಷತೆ ವಹಿಸಿದ್ದರು. ಡಾ.ಪ್ರಕಾಶಕುಮಾರ ರಾಠೋಡ, ಡಾ. ವಿದ್ಯಾಸಾಗರ, ಡಾ.ಕೊಟ್ರೇಶ ಪ್ರಸಾದ ಇತರರಿದ್ದರು. ಶಿಬಿರಾರ್ಥಿಗಳು ಭಾಲ್ಕಿ ತಾಲೂಕಿನ ಕಟ್ಟಿತುಗಾಂವ ಹತ್ತಿರವಿರುವ ಜಾನುವಾರು ಸಂಶೋಧನೆ ಮತ್ತು ಮಾಹಿತಿ ಕೇಂದ್ರ (ದೇವಣಿ)ಕ್ಕೆ ಭೇಟಿ ನೀಡಿ ನಾನಾ ವಿಷಯಗಳ ಬಗ್ಗೆ ಅರಿತು ಕೊಂಡರು. ಶಿಬಿರಾರ್ಥಿಗಳು ಸಮಾರೋಪ ಸಮಾರಂಭದಲ್ಲಿ ಕೋಳಿ ಮರಿ ಹಾಗೂ ಮೇವಿನ ಕಡ್ಡಿ/ತುಂಡುಗಳನ್ನು ಉಚಿತವಾಗಿ ಪಡೆದುಕೊಂಡರು.

II. MEDICINAL PLANTS, HERBAL DRUGS & TISSUE CULTURE TECHNIQUES:

Introduction:

The inaugural day of the *Four-Day Hands-On Training Programme on Medicinal Plants, Herbal Drugs, and Tissue Culture Techniques*, organized by BLDEA's SB Arts and KCP Science College, Vijayapur, in collaboration with the Department of Pharmacognosy, BLDEA's S.S.M. College of Pharmacy and Research Centre, Vijayapur, and financially supported by Department of Science and Technology, Government of India, Sponsored by KSCST, Bengaluru, commenced with a strong focus on the significance of medicinal plants and the scientific approaches used in herbarium techniques for SC/ST Science Students of all over Karnataka.

Importance of this training Programme:

The Four-Day Hands-on Training Programme on *Medicinal Plants, Herbal Drugs, and Tissue Culture Techniques*, organized by BLDEA's SB Arts and KCP Science College, Vijayapur, in collaboration with BLDEA's SSM College of Pharmacy and Research Centre, and supported by KSCST, Bengaluru, holds immense academic and societal significance. This workshop provided an integrated platform for students, researchers, and faculty to bridge traditional knowledge with modern scientific practices.

The importance of medicinal plants in healthcare, conservation, and sustainable development was highlighted through lectures and demonstrations by eminent scientists. Practical sessions on herbarium preparation, herbal drug extraction, phytochemical analysis, and tissue culture techniques equipped participants with essential laboratory and field skills. Such experiential learning enhances scientific temperament, problem-solving abilities, and technical competency, especially for young scholars aspiring to pursue research and innovation in plant sciences and biotechnology.

Moreover, the programme emphasized the role of indigenous knowledge systems and Ayurveda, linking them with contemporary pharmacognosy and biotechnology. By showcasing opportunities and funding avenues from KSCST, it also encouraged students, particularly from SC/ST communities, to engage in research-driven community projects. Overall, the training fostered interdisciplinary collaboration, capacity-building, and environmental commitment, making it a valuable step toward promoting sustainable healthcare and scientific innovation.

DETAILS OF DAY WISE PROGRAMMES:

Day – 1:

Dr. V. Sundaresan, Senior Principal Scientist at CIMAP, Bengaluru, delivering the keynote address during the inaugural session of the Hands-on Training Programme.

His speech focused on recent advancements in medicinal plant research, emphasizing conservation, sustainable use, and the integration of traditional knowledge with modern biotechnological tools.

*As part of the inaugural ceremony, a **book release event** was held to commemorate the launch of training-related publications. These books serve as valuable academic resources, covering key topics in **Medicinal plants, Herbal drugs and tissue culture techniques**.*

Dr. V. Sundaresan delivered a thought-provoking keynote address during the inaugural session, focusing on the **recent trends and advancements in medicinal plant research**. He emphasized the growing importance of integrating **traditional knowledge with modern biotechnological tools** to enhance the quality, sustainability, and efficacy of herbal medicines.	
Group photo of delegates, faculty, and participants taken during the Hands-on Training Programme on Medicinal Plants, Herbal Drugs, and Tissue Culture Techniques at SB Arts and KCP Science College, Vijayapur.	
The second half of the day was dedicated to hands-on training sessions, conducted by Dr. P.D. Needagi, Dr. Ramachandra Naik, and Mr. Krishna Mandla. During these sessions, participants were introduced to the systematic collection and documentation of plant specimens for herbarium preparation.	
A technical session was conducted by Dr. P.D. Needagi, who delivered a comprehensive lecture on "Medicinal Plants and Their Importance. Dr. Needagi discussed the historical background, biodiversity richness, therapeutic values, and applications of medicinal plants in traditional and modern systems of medicine. The resource persons guided them through essential herbarium techniques, including proper methods for plant collection, pressing, drying, mounting, and labeling, crucial steps in preserving plant	

biodiversity for academic and research purposes.	
The first technical session of the day was delivered by Dr. B. S. Hunasagi. He provided an in-depth overview of the "Extraction of Herbal Drugs." The lecture covered various extraction techniques, including maceration, percolation, and Soxhlet extraction. Participants gained practical insights into the processes used to obtain active compounds from medicinal plants.	
Afternoon Session: Hands-On Training Modules a practical session on "Isolation of Caffeine from Tea Leaves" was conducted under the expert supervision of Dr. B. S. Hunasagi and Dr. C. V. Nagathan. The final session of the day, from 3:45 PM to 5:30 PM, focused on the preliminary phytochemical screening of plant extracts, teaching participants essential techniques to detect the presence of important bioactive compounds.	 
Day 3 of the training programme marked a deep dive into the fundamentals and applied techniques of plant tissue culture, a pivotal area in modern plant biotechnology. Participants gained valuable theoretical insights and hands-on experience, particularly in callus culture establishment, protoplast techniques, and media preparation. First session Dr. Venkatesh conducted an informative session on the Basics of Plant Tissue Culture.	

Mr. Gangadharappa R. presented an overview of the Karnataka State Council for Science and Technology (KSCST) initiatives. He highlighted: *Opportunities for SC/ST students and institutions through project funding * Past success stories and innovations supported by KSCST * Ways to apply scientific research to solve local problems This session inspired participants to engage with government-supported research programs and promote regional innovation.	
Session 3: Protoplast Culture & Secondary Metabolite Production Dr. Gaviraj E. N delivered a specialized lecture on Protoplast Culture and Secondary Metabolite Production. The role of in vitro culture in enhancing the production of valuable secondary metabolites such as alkaloids and flavonoids This advanced topic gave students a glimpse into the cutting-edge of plant biotechnology.	
Afternoon Sessions: Hands-On Training Modules. Session 4: Media Preparation & Sterilization Techniques facilitated by Dr. Gaviraj E. N and Dr.Ramachandra Naik.M, * Preparation of Murashige and Skoog (MS) medium * Use of pH meters, autoclaves, and laminar airflow chambers * Techniques to maintain aseptic conditions in tissue culture labs This session helped students to learned the technical skills essential for successful plant tissue culture work.	

Session 5: Establishment of Callus Cultures, from 3:45 PM to 5:30 PM, participants learned the practical process of callus induction and establishment under the guidance of Dr. Gaviraj E. N and Mr. Shivraj Kapse. Activities included:

* Selection of explants (leaf, stem, etc.)
* Preparation and inoculation on callus-inducing media
* Observation of growth and callus formation under controlled conditions

This session enabled students to observe firsthand the transformation of plant tissue into undifferentiated callus—a key step in many in vitro propagation methods.

Dr. V.P. Patil delivered an insightful session on the behavioral patterns of rats, highlighting their significance in pharmacological research. He demonstrated the proper use of specialized research instruments employed in behavioral studies within the Department of Pharmacology. Participants gained a deeper understanding of experimental techniques and data interpretation related to animal behavior.

DAY 4 – 31st July 2025: Botanical Gargen Applications, Ayurvedic Formulations. The final day of the training programme culminated with a blend of experiential learning, Ayurvedic formulation techniques, and a reflective closing session. Participants spent the day engaging with live plant specimens, traditional herbal preparation methods, and providing feedback on their transformative four-day experience.

Session 1: Participants visited the Dravyaguna Botanical Garden and Museum, guided by Dr. Patil madam supported by Dr.Shasidhar Naik and Dr. Dhari. The garden have a rich diversity of medicinal plant species used in Ayurveda, offering participants a firsthand experience in:

* Identifying key medicinal plants and their botanical characteristics

* Understanding their therapeutic properties as per Dravyaguna Shastra

This session effectively bridged classroom knowledge with field-based learning.

Dr. Ramachandra Naik M. highlighted the importance of the museum's medicinal plant collection. He emphasized its role in preserving biodiversity and serving as a valuable resource for research and education. The collection aids in understanding traditional medicine and promotes conservation efforts.

Session 2: Hands-On Training – Churna Kalpana(preparation of powdered herbal formulations) was conducted under the expert guidance of Dr. K. A. Patil, Dr. R. B. Khazi, and Dr. Vilas S. Chadchan. The participants learned:

* Selection, drying, and pulverization of raw plant material
* Sieving, mixing, and storage of herbal powders
* Safety, hygiene, and dosage considerations in formulation

The session highlighted the relevance of "Ayurvedic pharmaceutical techniques" in modern herbal product development, while reinforcing hands-on skills.

Session 3: Student Feedback & Report Writing From 2:00 PM to 3.00 PM, participants were engaged in feedback and reflective writing, where they: * Shared individual learning experiences * Provided constructive feedback on the sessions, facilities, and faculty * Prepared brief summaries or reports of their training learnings, This session encouraged critical thinking and self-assessment, while helping organizers capture insights for future improvements.	
Valedictory Session Report: Dr. Ramachandra Naik M., Convener of the programme, presented a comprehensive summary of the four-day Hands-on Training. He highlighted the key technical sessions, hands-on activities, learning outcomes, and active participation of students and faculty, reflecting the overall success of the event.	
The Valedictory Session marked the successful completion of the four-day Hands-on Training Programme. During the session, all participants received certificates and food kits for their return journey, distributed by the organizing committee members, Dr. Ramachandra Naik M. and Mr. Krishna Mandla. This thoughtful gesture ensured a comfortable and well-prepared departure for all attendees. The session concluded with final remarks and expressions of gratitude from the organizers and delegates.	

Group photo of the dignitaries, resource persons, organizing committee, and participants during the Hands-on Training Programme on Medicinal Plants, Herbal Drugs, and Tissue Culture Techniques. **Group photo taken during the Valedictory Session, marking the successful completion of the four-day training programme, with certificate and food kit distribution and concluding remarks.**	

Students' Feedback and Learning Experiences:

The four-day Hands-on Training Programme on *Medicinal Plants, Herbal Drugs, and Tissue Culture Techniques* was a highly enriching and transformative experience for all participants. Students expressed that the programme offered a rare opportunity to gain both theoretical insights and practical exposure to the latest methods in plant science, pharmacognosy, and biotechnology.

Many participants appreciated the herbarium preparation sessions, which taught them systematic collection, pressing, and preservation of plant specimens—skills that are often missing in regular coursework. The extraction and phytochemical analysis modules helped students understand the process of isolating active compounds and their role in modern medicine. Practical experiments, such as the isolation of caffeine and preliminary phytochemical screening, were particularly engaging and improved their confidence in handling laboratory instruments.

The sessions on plant tissue culture were highlighted as a major takeaway, giving students first-hand experience with callus induction, media preparation, and protoplast culture. Several students shared that these advanced techniques broadened their vision of career opportunities in plant biotechnology and research.

Field visits to the Dravyaguna Botanical Garden and Museum deepened their appreciation of biodiversity and Ayurvedic formulations. Overall, students felt motivated to pursue research, contribute to conservation, and integrate traditional knowledge with modern scientific tools.

Limitations:

While the Hands-on Training Programme on *Medicinal Plants, Herbal Drugs, and Tissue Culture Techniques* was highly impactful and well-received, certain limitations were noted during its execution.

1. **Duration of the Programme** – The four-day schedule, though intensive, was relatively short to cover advanced techniques in depth. Some participants felt that extended sessions or a follow-up training would help in mastering practical skills more effectively.

2. **Laboratory Infrastructure** – Due to limited laboratory facilities and equipment, not all students were able to practice each technique individually. In some sessions, participants had to share instruments, which restricted one-to-one hands-on exposure.

3. **Diversity of Participants** – As the programme catered primarily to local students, the scope for wider inter-college or inter-university participation was limited. A broader representation could have enriched discussions and knowledge sharing.

4. **Follow-up Support** – While the training sparked interest in research and innovation, structured post-programme mentoring and project opportunities were limited.

Despite these challenges, the programme achieved its objectives and provided a strong foundation for future capacity-building initiatives.

Way Forward:

The successful completion of the Hands-on Training Programme on Medicinal Plants, Herbal Drugs, and Tissue Culture Techniques has opened new avenues for academic growth, research, and community engagement. Moving forward, there is a strong need to institutionalize such training programme on a regular basis, ensuring that more students and young researchers gain exposure to advanced scientific practices and traditional knowledge systems.

The programme demonstrated the importance of integrating classroom learning with field-based and laboratory experiences. Future initiatives can focus on developing student-led projects on medicinal plant conservation, herbal drug standardization, and tissue culture applications. Establishing interdisciplinary collaborations between botany, pharmacy, biotechnology, and Ayurveda institutions will further enhance knowledge exchange and innovation.

The Karnataka State Council for Science and Technology (KSCST) initiatives highlighted during the training should be effectively utilized by students and faculty, especially from SC/ST communities, to secure funding support for socially relevant research. Furthermore, efforts can be directed toward creating community outreach programme, where trained students can disseminate their learning to rural and tribal communities, promoting sustainable healthcare and livelihood opportunities.

By nurturing scientific skills, encouraging innovation, and linking traditional wisdom with modern biotechnology, such programme will contribute significantly to sustainable development, healthcare improvement, and capacity building among youth.

III. Three-Day Training Programme on "Bamboo Handicraft & Preservation Techniques"

Introduction

ICFRE- Institute of Wood Science and Technology (IWST), Bangalore, organized a three-day training programme on Bamboo Handicraft & Preservation Techniques from 20th to 22nd August 2025. The training aimed to build capacity among participants in bamboo utilization, preservation, and handicraft-making. It brought together scientists, technical experts, and practitioners to provide both theoretical knowledge and practical skills to participants.

Objectives of the Training Programme

1. **Capacity Building** – To train participants in scientific and practical aspects of bamboo preservation, processing, and handicraft-making for skill enhancement.
2. **Awareness Creation** – To promote understanding of bamboo as a sustainable, eco-friendly, and versatile material with applications in handicrafts, furniture, and value-added products.
3. **Skill Development** – To provide hands-on exposure to bamboo treatment methods, pest and disease management, cutting, polishing, and crafting techniques.
4. **Entrepreneurship Promotion** – To introduce participants to commercial opportunities and entrepreneurial ventures in bamboo handicrafts and value-added industries.
5. **Knowledge Integration** – To bridge traditional practices with modern technologies through demonstrations, field visits, and exposure to innovative bamboo products.
6. **Collaboration Strengthening** – To foster partnerships between research institutions, design institutes, and industry players for sustainable bamboo-based livelihood development.
7. **Sustainability and Resource Management** – To encourage the efficient and sustainable use of bamboo resources, promoting eco-friendly alternatives in crafts and industry.

DETAILS OF DAY WISE PROGRAMMES:

Day-1:

The programme commenced with the registration of participants followed by the inaugural function. After the welcome and formal opening, participants had an opportunity to interact during the high tea session. Overview of the Training Programme was presented by Dr. Narasimhamurthy, Scientist-E, FP Division, IWST, who also introduced the scope and relevance of bamboo products. A detailed lecture on Bamboo Pest and Disease Management was delivered by Mrs. Nalini (Sr. Tech), and Mrs. Mamatha (Tech) under the guidance of Dr. A. Muthu Kumar, Scientist-F and Dr. Athulya R, and Scientist-C. In the afternoon, a demonstration on bamboo treatment methods was conducted by Dr. Pradeep Kushwah and Mrs. Vani, CTO, WPP Division, IWST, showcasing preservation techniques critical for durability and quality improvement.

Dr. Narasimhamurthy, the convenor of this program welcomed all the delegates.

Prof. Ashok M Raichur, Secretary, KSCST delivered the inaugural address on the Training program.

Mr. Gangadharappa, Project Engineer, KSCST, explained the details of this three-day skill training program to the participants.

IWST resource person explained the preservation methods of bamboo for tribal communities of youths.

Day-2:

The second day was dedicated to field visits and hands-on training. Participants visited Malur, Hoskote, for a practical session conducted by Mr. Parameshwarn Iyer Proprietor of Bamboopecker Green Technologies. Mr. Iyer explained about procurement of bamboo from various sources in India and briefed about the pressure treatment and various tools and equipments for cutting and polishing required for bamboo handicrafts manufacturing. This session included live demonstrations of bamboo handicraft preparation, where participants engaged in crafting bamboo-based products under expert guidance. The field experience provided insights into commercial applications and entrepreneurial opportunities in bamboo handicrafts.

IWST Resource person explaining the machines of Splitting, cutting, smoothening of the Bamboo for tribal youths of Kodagu District.

A camper hands-on learning the process of cutting and polishing bamboo.

Finally, the campers prepared a bamboo light using varieties bamboo.

Day -3:

The final day combined demonstrations, exposure visits, and participant feedback. Demonstration of Bamboo Primary Processing was conducted by Mr. Prakash V, Scientist-E, and Mr. Srinivasa, Technical Staff, PPPT Division, at IWST Peenya Campus. Participants then visited the National Institute of Design (NID), Bengaluru, where Mr. Sushanth Dean, NID showcased bamboo-based handicrafts and furniture. Post-lunch, session all the participants were visited to different labs of PPPT division and witnessed many bamboos composite products which was developed by scientist. Vacuum Pressure Treatment Process and CCB Chemical Spot Test were explained by Dr. Rashmi Shanbhag, Dr. Rathna V, and Mr. Mahesh K during the visit.

Dr. Rashmi, Explaining the Bamboo Sheet preparation at IPIRTI, Peenya, Bengaluru.

IPIRTI Scientist explaining the Bamboo Splitting and Cutting Process to Participants.

IPIRTI Scientist explained the Bamboo Splitting and Thickness of the bamboo for preparation of Bamboo sheets.

The programme concluded with valedictory function followed by an interactive and feedback session. Participants shared their experiences and highlighted the usefulness of these three days training programme.

Feedback from Participants

The three-day training programme on *Bamboo Handicraft & Preservation Techniques* received highly positive feedback from participants. Most attendees expressed that the programme effectively combined theoretical knowledge with practical, hands-on experience, providing a comprehensive understanding of bamboo processing, preservation, and handicraft-making.

Participants appreciated the technical sessions on pest and disease management, vacuum pressure treatment, and primary processing, which enhanced their knowledge of extending the durability and quality of bamboo products. The field visits to Malur, Hoskote, and the National Institute of Design (NID), Bengaluru, were highlighted as particularly valuable for understanding commercial applications, design innovations, and entrepreneurial opportunities in bamboo handicrafts.

The hands-on practice in crafting bamboo products under expert guidance allowed participants to develop confidence and technical skills that could be applied to both academic projects and small-scale enterprises. Several participants noted that exposure to industry tools, techniques, and equipment provided practical insights that are rarely available in classroom learning.

Overall, participants expressed gratitude for the opportunity, emphasizing that the training motivated them to explore bamboo-based livelihoods, adopt sustainable utilization practices, and pursue further

learning in bamboo technology. They recommended similar extended programmes in the future for deeper skill development and wider participation.

Limitations

While the three-day training programme on *Bamboo Handicraft & Preservation Techniques* was highly informative and engaging, certain limitations were observed:

1. **Time Constraints** – The short duration of three days limited the depth of coverage for advanced bamboo processing and handicraft techniques. Participants suggested that longer or follow-up sessions could allow more practice and skill refinement.

2. **Hands-On Access** – Due to the number of participants and shared resources, not all attendees could get individual, extensive hands-on practice with every tool or processing technique.

3. **Field Visit Duration** – Although field visits to Malur, Hoskote, and NID were insightful, the limited time allocated restricted detailed exploration of bamboo crafts, processing units, and entrepreneurship opportunities.

4. **Participant Diversity** – The programme primarily catered to local participants, which limited exposure to a broader range of perspectives and knowledge-sharing across regions.

5. **Follow-Up Support** – Post-training mentoring or structured guidance for implementing learned techniques in small-scale enterprises or projects was limited.

Despite these limitations, the programme successfully achieved its primary objectives, providing participants with foundational skills, practical knowledge, and awareness of bamboo utilization and sustainable livelihood opportunities.

Way Forward

The three-day training programme has laid a strong foundation for skill development, sustainable utilization, and entrepreneurship in bamboo handicrafts. To build on this success, the following steps are recommended:

1. **Extended and Advanced Training** – Organize longer or follow-up workshops to provide deeper hands-on practice in bamboo processing, preservation, and handicraft-making, allowing participants to master advanced techniques.

2. **Enhanced Practical Exposure** – Increase access to laboratory facilities, tools, and equipment so that all participants can gain individual hands-on experience, enhancing learning outcomes.

3. **Industry and Design Collaboration** – Strengthen partnerships with design institutes, handicraft units, and industry experts to provide participants with exposure to market trends, product innovation, and entrepreneurial strategies.

4. **Post-Training Mentorship** – Establish mentorship programs to guide participants in applying their skills to small-scale enterprises, community projects, or research initiatives.

5. **Regional and Diverse Participation** – Encourage participation from a wider geographic and academic spectrum to foster knowledge exchange, networking, and collaborative opportunities.

6. **Sustainable Resource Management** – Promote awareness and practices for the sustainable harvesting and utilization of bamboo, ensuring long-term environmental and economic benefits.

By implementing these measures, future programmes can further enhance technical competence, entrepreneurial skills, and sustainable bamboo-based livelihood opportunities among participants.

IV. Installation of Solar PV Lighting kits at unelectrified ST Hamlets in Kalathmad Village, Hosuru Grama Panchayat, Virajapet Taluk, Kodagu District.

Introduction

As per the sanction order of the Department of Science and Technology (DST), Government of India, Solar PV Home Lighting Kits were installed under the SC/ST Cell Project for unelectrified SC/ST households. In this regard, the Karnataka State Council for Science and Technology (KSCST) placed an order for the supply and installation of Solar PV Home Lighting Kits at 30 identified ST households in Kalathmad Village, Hosuru Grama Panchayath, Virajpet Taluk.

A total of 30 beneficiaries were identified by KSCST based on the request from the Taluk Integrated Tribal Development Project (ITDP) Officer, Taluk Scheduled Tribal Welfare Department, Virajpet Taluk, Government of Karnataka, and the Tribal Workers Association, Kodagu District.

M/s. Prolight System (vendor) supplied and installed the 30 Solar PV Home Lighting Kits on 13-09-2025. During the installation, the details of the beneficiaries were recorded.

The inspection and inaugural programme the participation of Mr. Shailendra, President, Karnataka State Forest Tribal Community Federation, H.D. Kote Taluk; Mr. Manikuyya, President, LAMP Society, Kodagu District; Mr. Gappanna, President, Tribal Workers Association; Dr. Kaveri H.M., Ex-Zilla Panchayat Vice President, Kodagu District, and present Syndicate Member, Rani Chennamma University, Belagavi; Shri Sannuvanda Ratna Subbaiah, Grama Panchayat Member, Hosuru GP, Virajpet Taluk; Mr. Tejaraju, ITDP Officer, Virajpet Taluk; Mr. Jayaram S.N., Senior Project Engineer, KSCST; Mr. Gangadharappa R., Project Engineer, KSCST; Ms. Vajreshwari, FDA (Accounts), KSCST; and all the beneficiaries of Kalathmad Village, Hosuru Grama Panchayath.

1. Beneficiary Name: ***Girija W/o Mutta***

2. *Beneficiary Name:* ***Gouri W/o Thammu***

3.Beneficiary Name: ***Chondu W/o Mutha***

4. Beneficiary Name: ***Rashmi W/o Annu***

5. Beneficiary Name: ***Pushpa W/o Ganesh***

6. Beneficiary Name: ***Reshma W/o Suresh***

7. *Beneficiary Name:* ***Jaya W/o Subramani***

8. Beneficiary Name: ***Sandya W/o Raghu***

9. *Beneficiary Name:* ***Manjula W/o J R Manju***

10. *Beneficiary Name:* ***Latha W/o Suresh***

11. Beneficiary Name: ***Bhavya W/o Teju***

12. Beneficiary Name: ***Geetha W/o Manju***

13. Beneficiary Name: ***Kembi W/o Tholu***

14. Beneficiary Name: ***Mallige W/o Mahan***

15. Beneficiary Name: ***Boji W/o Raju***

16. Beneficiary Name: ***Seethe W/o Kaliya***

17. Beneficiary Name: ***Shanthi W/o Muttu***

18. Beneficiary Name: ***Subbi W/O Belli***

19.Beneficiary Name: ***Kamala W/o Raju***

20. Beneficiary Name: ***Chinnamma W/o Shivappa***

21. Beneficiary Name: ***Gange W/o Kotta***

22. Beneficiary Name: ***Kaveri W/o Ganesh***

23. Beneficiary Name: ***Sumithra W/o Chandra***

24. Beneficiary Name: ***Subbi W/o Sanna***

25.*Beneficiary Name:* ***Shila W/o Appanna***

26. Beneficiary Name: ***Kamala W/o Chapa***

27. Beneficiary Name: ***Rukku W/o Ramu***

28. Beneficiary Name: ***Kavitha W/o Suresh***

29. Beneficiary Name: ***Chondu W/o Sannappa***

30. Beneficiary Name: ***Ammu W/o Jammu***

Group photo of Tribal Community of Kalthmad village, Hosuru Grama panchayth, Viarajpet Taluk, Kodagu District.

V. Installation of Solar PV Lighting kits at SC/ST Hamlets in Nandigadde Grama Panchayat, Joida Taluk, Uttara Kannada District.

Introduction

As per the sanction order of the Department of Science and Technology (DST), Government of India, Solar PV Home Lighting Kits were installed under the SC/ST Cell Project for unelectrified SC/ST households. In this regard, the Karnataka State Council for Science and Technology (KSCST) placed an order for the supply and installation of Solar PV Home Lighting Kits at 20 identified SC/ST households in Nandigadde Grama Panchayath, Joida Taluk.

A total of 20 beneficiaries were identified by KSCST based on the request from the Executive Officer, Taluk Panchayath Office, Joida Taluk, Government of Karnataka, and the Panchayath Development Officer, Nandigadde Grama Panchayath, Dakshina Kannada District.

M/s. Prolight System (vendor) supplied and installed the 30 Solar PV Home Lighting Kits on 26-09-2025. During the installation, the details of the beneficiaries were recorded.

The inspection and inaugural programme the participation of Mr. Arun Desai, President, Nandigadde Grama Panchath, Dakshayani Danashur, Vice President, Nandigadde GP, Ms. Sukanya Desai, President of Joida women block congress, Dattathreya, Panchayath Development officer, C. Vasudeva Bhagavat, Secretary Nadigadde GP and Siddi community leaders Lakshmana, Appu, Shri Gangadharappa R, Project Engineer, KSCST and all the beneficiaries of Nandigadde Grama Panchayath.

1. Beneficiary Name: ***Sharada Sadashiva Gaonkar***

2. Beneficiary Name: ***Saraswati Ganapati Diggikar***

3.Beneficiary Name: ***Radha Lekha Mirashi***

4. Beneficiary Name: ***Ganesh Ganapathi Diggiker***

5. Beneficiary Name: ***Rukmini Bombya Kerakar***

6. Beneficiary Name: ***Gouri Parameswara Siddi***

7. *Beneficiary Name:* ***Lakshmana Appu Siddi***

8. Beneficiary Name: ***Deepa Parameshwar Siddi***

9. *Beneficiary Name:* ***Bhaskar Lakxman Siddi***

10. *Beneficiary Name:* ***Yellavva Shivappa Danashur***

11. Beneficiary Name: ***Sumana Girish Harijan***

12. Beneficiary Name: ***Sushila Rama Harijan***

13. Beneficiary Name: ***Hanumavva Ajjappa Jalapur***

14. Beneficiary Name: ***Yallavva shivanappa Ganadal***

15. Beneficiary Name: ***Vimala P Krishna***

16. Beneficiary Name: ***Merry Pedru Fernandes***

17. Beneficiary Name: ***Anjalina Fransis Harnodkar***

18. Beneficiary Name: ***Gulabi Juje Farnandis***

19.Beneficiary Name: ***Fransis Anthoni Fernandes***

20. Beneficiary Name: ***Abolin Luis Siddi***

Group photo of SC/ST Community of Nandigadde Grama panchayth, Joida Taluk, Uttara Kannda District.

ಉದಯಕಾಲ

ಕನ್ನಡಿಗರ ಜೀವಾಳ

ನಂದಿಗದ್ದೆಯಲ್ಲಿ ಸಿದ್ದಿ ಜನಾಂಗದ ಜನರಿಗೆ ಸೋಲಾರ್ ಕಿಟ್ ವಿತರಣೆ

ಉದಯಕಾಲ ನ್ಯೂಸ್

ಜೋಯಿಡಾ: ತಾಲೂಕಿನ ನಂದಿಗದ್ದೆ ಗ್ರಾಮ ಪಂಚಾಯತ ವ್ಯಾಪ್ತಿಯ ಬಸಾಪುರ ಸಿದ್ದಿ ಕಾಲೋನಿಯಲ್ಲಿ ಜಿಲ್ಲಾ ಪಂಚಾಯತ ಉತ್ತರಕನ್ನಡ ತಾಲೂಕ ಪಂಚಾಯತ ಜೋಯಿಡಾ, ಗ್ರಾಮ ಪಂಚಾಯತ್ ನಂದಿಗದ್ದೆ ,ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ ಬೆಂಗಳೂರು ಪರಿಶಿಷ್ಟ ಜಾತಿ ಪರಿಶಿಷ್ಟ ಪಂಗಡದ ಜನರಿಗೆ ಸೌರ ವಿದ್ಯುತ್ ಶಕ್ತಿ ಬೆಳಕಿನ ಕಿಟ್ ವಿತರಣೆ ಮಾಡಲಾಯಿತು.

ಈ ಸಂದರ್ಭದಲ್ಲಿ ನಂದಿಗದ್ದೆ ಗ್ರಾಮ ಪಂಚಾಯತ ಅಧ್ಯಕ್ಷ ಅರುಣ ದೇಸಾಯಿ

ಮಾತನಾಡಿ, ಸರ್ಕಾರದಿಂದ ಜನರಿಗೆ ಸಿಗುವ ಯೋಜನೆಯನ್ನು ನಾವು ತಲುಪಿಸುವ ಕೆಲಸ ಮಾಡುತ್ತೇವೆ, ಹಳ್ಳಿಗಾಡಿನ ಪ್ರದೇಶವಾದ್ದರಿಂದ ವಿದ್ಯುತ್ ಸಮಸ್ಯೆ ಆದಾಗ ಎಸ್ ಇ ಎಸ್ ಟಿ ಜನರಿಗೆ ಹಾಗೂ ಮಕ್ಕಳಿಗೆ ಸೋಲಾರ್ ಬಹಳಷ್ಟು ಉಪಯೋಗಕ್ಕೆ ಬರುತ್ತದೆ, ಎಲ್ಲಾ ಫಲಾನುಭವಿಗಳು ಇದರ ಸದುಪಯೋಗ ಪಡೆದುಕೊಳ್ಳಬೇಕು ಎಂದರು.

ಈ ಸಂದರ್ಭದಲ್ಲಿ ಸೋಲಾರ್ ಕಿಟ್ ಅನ್ನು ಎಲ್ಲಾ ಫಲಾನುಭವಿಗಳಿಗೆ ವಿತರಿಸಲಾಯಿತು.

ಗಂಗಾಧರಪ್ಪ ಆರ್ ಮಾತನಾಡಿ, ಎಸ್ ಇ ಎಸ್ ಟಿ ಜನರಿಗೆ ಸರ್ಕಾರದ ಇರುವ ಸೌಲಭ್ಯಗಳ ಕುರಿತು ಮಾಹಿತಿ ನೀಡಿದರು.

ನಂದಿಗದ್ದೆ ಗ್ರಾಮ ಪಂಚಾಯತ ಉಪಾಧ್ಯಕ್ಷೆ ದಾಕ್ಷಾಯಿಣಿ ದಾನಶೂರ , ಸದಸ್ಯರಾದ ಧವಳೋ ಸಾವರಕರ,ಶೋಭಾ ಎಲ್ಕೆಕರ, ಜೋಯಿಡಾ ಮಹಿಳಾ ಬ್ಲಾಕ್ ಕಾಂಗ್ರೆಸ್ ಅಧ್ಯಕ್ಷೆ ಸುಕನ್ಯಾ ದೇಸಾಯಿ, ಪಿ.ಡಿ.ಓ ದತ್ತಾತ್ರೇಯ ಸಿ. ವಾಸುದೇವ ಭಾಗ್ವತ್ , ಸಿದ್ದಿ ಮುಖಂಡ ಲಕ್ಷ್ಮಣ ಆಪ್ಪು ಸಿದ್ದಿ ಇತರರು ಇದ್ದರು.

Glimpses of Local Paper News

Nandigadde Gram Panchayat President, Vice President, Members and Secretary with their nameplates.