sharing basis. Participants are requested not to bring their family members as the availability of accommodation is very much limited.

**Important Instructions**

- All the correspondence to be made through email: headsrsndri@gmail.com
- Application to be made online at http://proj.iasri.res.in/cbp/ and a signed hard copy of the same to be submitted to the Course Director through proper channel before the last date. The stepwise procedure for online submission of application for the winter school is given in the above given website or you may download the instruction for online application using the following link. (http://proj.iasri.res.in/cbp/ToDownload/Guidelines%20to%20participate%20in%20the%20winter%20school%20program.pdf)
- Only 25 participants will be selected for the course by a screening committee as per ICAR guidelines.
- The selected participants will have to pay ₹ 50/- as registration fee at the time of their registration in the winter school.

**Course Director**

Dr. K. P. Ramesha  
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**Co-Course Directors**

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**Important Dates**

- Last date for receipt of application: **September 24, 2017**
- Intimation of selection: **September 26, 2017**
- Confirmation by participants: **September 30, 2017**
Our country is blessed with huge bovine population reared under diverse production systems and agro-climatic conditions. These indigenous breeds have been developed in thousands of years through natural selection and human intervention, therefore, well adapted in their respective habitat. They are also known for their drought tolerance and disease resistance. The indigenous breeds have the ability to sustain productivity under low inputs, which makes them a crucial backbone of the country’s rural economy. However, there has been change in the utility pattern of these genetic resources, which has created a stiffer competition to the local breeds for their survival, which warrants immediate measures to be taken for their conservation and improvement. Recent knowledge has accumulated several innovative approaches for conservation and improvement of bovines. Updating knowledge on the recent developments in indigenous breed conservation and improvement would help in wider dissemination and application of frontier technologies to conserve our valuable germ plasm in the modern era of IPR and climate change.

About ICAR-NDRI-SRS, Bengaluru

Southern Regional Station of National Dairy Research Institute, Bengaluru is the pioneering Institution in dairying and has undergone a series of changes during its history of 94 years. It had its origin in 1923 as Imperial Institute of Animal Husbandry and Dairying, established as a centre for training and research in dairying in the country. One of the memorable events of this station is that the Father of the Nation, Mahatma Gandhi along with Pandit Madan Mohan Malaviya visited the station during 1927 and got acquainted with the scientific dairy farming. The station is catering to the development of necessary technological interventions for optimum and sustainable dairy production involving complex farming systems having different variety/breeds and processing of region specific dairy products. The station has a well maintained dairy animal farm with about 250 dairy animals including Deoni, Malnad Gidda and HF crossbred. The station has been working on phenotypic and genetic characterization, karyological analysis, screening for genetic diseases of indigenous cattle breeds of Southern India. Further, the station is actively involved in registration of indigenous bovines of the region, adaptability studies and IP management. Currently, we are focussing on proteo-genomic studies to elucidate productive and reproductive performance of Malnad Gidda, Deoni, and Hallikar breeds of cattle.

About the Winter School

The course aims to dwell on state of the art techniques in bovine genetic resource conservation, management and improvement under both theory and practical sessions. Course content includes various topics on status, characterization, management, utilization, adaptability, strategies for conservation and genetic improvement of indigenous bovine genetic resources and Intellectual Property management. Latest techniques available for conservation, assessment of genetic diversity, genomic selection in conservation of farm animals, proteo-genomics, germplasm freezing, bioinformatics, etc., shall also be dealt during the Winter School. It is aimed that this school will provide a holistic view of the recent technological developments for conservation and improvement of indigenous animals.

Eligibility

Master’s Degree in Veterinary Sciences/ Animal Sciences/allied sciences. Working not below the rank of Assistant Professor and equivalent in the concerned subject under ICAR, allied Institute/ Agricultural /Veterinary University/ KVKs.

How to reach ICAR-NDRI-SRS, Bengaluru?

SRS, NDRI is located at Adugodi, Hosur Road which is in the south-east part of Bengaluru. The campus is 8 Km from City Railway Station/ Cantonment Railway Station / Kempegowda Bus Stand, 15 km from Yeshwantpur Railway Station, 45 km from Bengaluru International Airport. Pre-paid taxi/auto can be availed at railway/airport/bus stations to reach the campus. Weather in the month of November is pleasant and comfortable.

Boarding and Lodging

The travel expenses will be reimbursed on the production of actual tickets only and will be restricted to a maximum of II- Tier AC sleeper of shortest train or bus route. Accommodation facility will be provided at our Guest House on twin