Summary

Animal identification and record keeping are building blocks for enhancing livestock productivity and effective decision making for genetic improvement programme. The aim of the present situation was to develop online national data repository for goat production system to be utilized by researchers, government, policy makers and developmental agencies. The database will help to manage complex livestock performance data set and will provide input for livestock management decision for better profitability. Goat Production Management Information System (GMIS) has a centralized structure which is user-friendly, E-based information management interactive system which can only be accessed by authorized users. It has been developed using My-SQL, PHP, Java script, HTML, CSS and platform independent. The GIMS is designed to address the following six key issues in management of livestock performance data – Uniform and standardization of data definition – data retrieval of standard performance traits for statistical analysis and report preparation. In order to address these various aspects of livestock data management, the GMIS software has a modular design, on different aspects of livestock production. The modules described for management of animal inventory, growth, milk yield, reproduction, health management, physiological response, buck/doe distribution, trainings conducted, farmers registered, number of cluster/villages covered, details of exposure visits made, awareness camp organized. Besides this, the database will enable us to manage resources, manpower, fund as well as other targets of the project. The website (http://pcgoatcirg.icar.gov.in/) of AICRP on Goat Improvement also provides "knowledge portal" for visitors. Through GMIS, we present a new and simple way of storing and retrieving data for managing livestock production by effective decision making. The database will be used for genetic evaluation of animals by retrieving information on different aspects of goat production.