

## Programme Report

- 1) **Program Title** : National Conference on Innovative Practices in Management of Cooperative Sugar Factories for Managing Directors and Departmental Heads of Cooperative/ Private Sugar Factories at VAMNICOM, PUNE
- 2) **Mode of programme**- Off-Line
- 3) **Date / Duration**: 11<sup>th</sup> – 12<sup>th</sup> July, 2023 (2 day)
- 4) **Number of participants** – 13
- 5) **States Covered in Programme** – Maharashtra
- 6) **Need and Importance of Program** : Management of Sugar factories in the competitive environment has to be supported with professional management and optimum use of information technology. The traditional management of sugar factories is no longer sustainable in the competitive environment & therefore Managing Directors of sugar factories have to play an important role, to sustain in the competitive environment.

### **OBJECTIVES:**

- To discuss the issues in management of sugar Factories
- To discuss role of Information technology and Mobile Apps for sugar factory management
- To demonstrate and present adoption of innovative practices in sugar factories
- To familiarize on latest technology based solutions for its deployment in sugar factories

### 7) **Session Details (Inclusive of No. of sessions with 7-8 lines brief about each):**

In the welcome address of inaugural function Dr. Hema Yadav, Director, VAMNICOM welcomed the Sugar Commissioner & all the delegates & highlighted the importance of innovative practices & its adoption by the sugar factories in order to take advantage of technology innovations in various operational activities of sugar factory management.

In his key note address, Dr. Chandrakant Pulkundwar, IAS Sugar Commissioner gave an overview of developments in the sugar industry. In which more than 2 lakh manpower is deployed. In his address, he briefed about FRP system in India & its stabilization & challenges of seek cooperative sugar factories. He also appealed the sugar factories to promote drip irrigation system & also to increase per acre yield of sugarcane & need to increase area under sugar cane cultivation. He urged sugar factories production of refined sugar. In his concluding remark, he appreciated VAMNICOM for organizing conference on important areas of concern for cooperative sugar factories.

### 1) **Need for innovation in Management of Sugar factories** :

The session was delivered by Shri Shekhar Gaikwad, IAS, (Retd.) Sugar Commissioner. In his address listed various innovative practices & advantages to the sugar factories. He gave an overview of innovative practices followed in private sugar factories & advantages to the sugar factories. He also briefed about various initiatives taken in the recent times by office of sugar commissionerate for applying innovative technologies in Management of sugar factories.

- 2) **Sustainable Technologies for Transforming Distillery To 2.0:** The session was delivered by Shri Sudarshan Kendre, Praj Industries Ltd. Shri Kendre in his address gave an overview of bio- ethanol production, Role of bio syrup in ethanol production & an applicability of bio syrup in sugar. He also explained about production of ethanol on sugarcane syrup & integration of sugar vapour. In his concluding remarks he summarized benefits of Distillery To 2.0 for the sugar factories.
- 3) **IT Application for sugar factory Management:** The session was delivered by Dr. Y.S. Patil, Programme Director. He explained about role of IT in sugar cane management & listed the areas of information systems viz: Financial accounting, cane billing, harvesting and Transporters billing, cane plantation & Harvesting scheduling, payroll, inventory management, sales, laboratory Analysis, Mobile application & its usage importance of security of audit of Mobile Apps & need for cyber security & concluded with need for business processing engineering in sugar factories.
- 4) **Innovative Drip Irrigation System:** The session was handled by Mr. Arun Deshmukh, DGM, Sugarcane Projects & Head, Agronomy, NETAFIM use of this technology reduces water consumption by about 50% & Saves use of fertilizers by 25% thereby farmer can grow 100 matrix tones per acres yield of sugar cane & thereby helps the sugar factory to increase recovery by 0.5 to 1%.
- 5) **Application of Drones in Sugarcane industry:** Ms. Shrawani Sabale and Ms. Chaitrali Joshi, Sphere Labs Private Limited, Pun demonstrated functioning drone and its operational aspect in the VAMNICOM lawn which helped the delegates to know about drone operations & its utility for spraying to pest control in a cost effective way & to reduce dependency on labour & optimize yield about 10 to 12%
- 6) **Strategy for Innovative practices & its implementations in sugar factories:**

Due to no. of session planned, the time management was the crucial factor & the programme extended beyond scheduled time. Dr. Y.S. Patil expressed vote of thanks with assurance of organization of such programmes in near future with minimum of 3-4 days duration.

**8) Suggestions and feedback : in 7-8 lines approx**

- Participants appreciated for the coverage of the programme.
- Most of the participants expressed for increasing duration of the programme.
- The session with practical demonstration were effectively delivered by the all the resource persons associated in the programme.
- Few participants suggested to include the topics on Financial Management, Administrative work, Personal Development Skills, Changing Govt. polices in sugar industry, IT App, Allied Industries, Finance etc
- The participants were satisfied with overall arrangements of Classroom, Boarding etc.

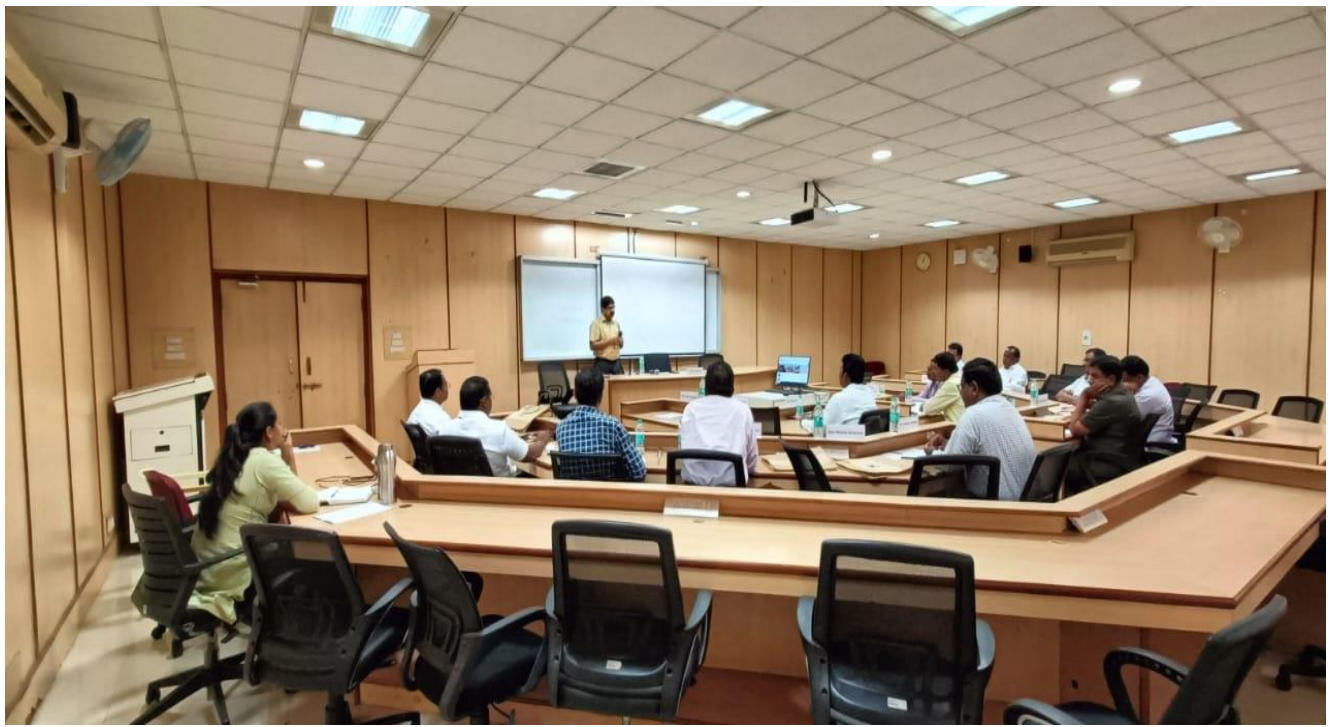
**9) Photo of each session with guest speaker name:**



Programme Inauguration – Dr. Chandrakant Pulkundwar, IAS, Sugar Commissioner, Pune , Dr. Hema Yadav, Director, VAMNICOM & Dr. Y.S. Patil, Programme Director briefing about objective of the programme .



Dr. Chandrakant Pulkundwar, IAS, Sugar Commissioner, Pune delivering key note address on “Issues and Challenges before Sugar Factories”



Shri Shekhar Gaikwad, IAS, (Retd.) Sugar Commissioner, Pune delivering session on “Need for innovation in Management of Sugar factories ”



Shri Sudarshan Kendre, General Manager, Praj Industries delivering session on “Sustainable Technologies for Transforming Distillery To 2.0”.



Dr. Y.S. Patil delivering session on “IT Application and Use of Mobile Apps for sugar factory Management”.



Ms. Shrawani Sabale Spherelab's Pvt. Ltd., Pune explained the participants on “Application and operational procedure of Drones in Sugarcane industry”.



Valediction of the programme

**(Y.S. Patil)**  
**Programme Director**