

A report on add-on course of Botany department, Mariani College,

Approved by Dibrugarh University

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COURSE NAME: SPECIALITY TEA PROCESSING AND MACHINERY

NATURE OF THE COURSE: Certificate Course

DURATION: 6 months

OBJECTIVE: To give detailed practical knowledge and hands on training on both hand crafted teas and factory made tea processing techniques and skills. After completion of the programme, the students will be skilled on all varieties of tea processing such as handmade specialty teas (green tea, oolong tea, orthodox tea and white tea) and factory processes teas (green tea, orthodox tea and CTC tea). They will also learn the various tea machinery management techniques.

TARGET GROUP & BENEFICIARIES: Undergraduate students of college and Small tea growers&entrepreneurs and employment generation for local youths as well.

CAREER OPPORTUNITIES:

- a) Self- employment
- b) Rural employment generation
- c) Tea factory jobs

CURRICULUM: It includes both theory and practical classes covering all aspect of tea processing and machinery management skills, exposure to tea auction market& documentation for setting up of tea processing units.

Distribution of marks:

Theory paper 50

Practical paper .. 50

Total100

THEORY:

Unit I

History of tea & introduction to specialty tea-definition; types –Green Tea, Orthodox Tea, Oolong Tea, White tea.

Unit II

Quality Green Leaf production- concept & norms; harvesting & plucking- standards for various specialty tea production; handling & transportation of quality green tea leaves.

Unit III

Tea machinery & tools: Introduction to various machineries & tools. Management of tea machineries & tools – steaming/boiling, withering trough, rolling machine, dryers(VFVT & quality) and ovens and sorting machine.

Unit IV

Factory manufacturing practices & processes:

Hand-made tea & machine made tea concepts, manufacturing process for green tea- steaming/boiling, rolling, drying; manufacturing process for orthodox tea- withering, roiling, fermentation, drying, sorting and packing of tea.

Unit V

FSSAI certificate & manufacturing license.

PRACTICAL:

1. Harvesting/plucking and handling & transportation of quality green tea.
2. Green tea processing- both handmade & machine made.
3. Orthodox tea processing- both handmade & machine made.
4. Sorting & Packaging.

FACULTY: The course coordinator Raj Kumar GohainBaruah, Assistant Professor of Botany Department, himself is a Ph.D holder in tea Science & Technology from Assam University, Silchar. He has a very long experience in all aspects of tea cultivation and processing for more than 3 decades. Earlier, he was member of central advisory committee of Tea Husbandry & Tech. of Assam Agri. University, Jorhat for ten years. Currently, he is working as consultant under conservation livelihood programme of AARANYAK (a reputed NGO), for sustainable tea production for Karbi women group at Kaziranga, Karbi-Anglong, Assam.

Students undergoing practical classes of handmade tea processing:








Practical classes at tea factory:






Certificate Format:

 **DEPARTMENT OF BOTANY**
MARIANI COLLEGE
MARIANI-785634, ASSAM
CERTIFICATE

Sl. No. _____

(ADD-ON COURSE RECOGNISED BY DIBRUGARH UNIVERSITY)

This is to certify that Mr/Ms _____
has successfully completed 6 months certificate course on "SPECIALITY TEA
PROCESSING & MACHINERY" held from March to August, 2023 and obtained
Grade _____



Course
Coordinator

HoD
Botany

Principal

Student List:

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