

**SYLLABUS FOR EMBROIDERY INSTRUCTOR**

1. History and Invention of Embroidery
2. Knowledge of trade-related Tools & their Importance.  
Safety precautions to be taken while using embroidery tools
3. Knowledge of Color Wheel and color Schemes
4. Knowledge of Hand Embroidery & Stitches :  
**Temporary:** Basting even, Basting uneven, Diagonal, Slip basting.  
**Permanent:** Running stitch, Hemming stitch, Slip stitch, Run and back stitch, Over casting, Whip stitch, Stem stitch, Satin stitch, Back stitch, Chain stitch, Button hole stitch,  
French stitch, Mirror stitch, couching stitch, cross stitch, herringbone stitch, tapestry stitch, English smocking, shadow work.
5. Traditional embroidery with reference to India
6. **Introduction to Machine Embroidery:**  
knowledge of embroidery machines: parts and functions of embroidery machine..  
Machine attachment and its uses. Setting up the machine, threading a machine, winding a bobbin.  
Manual machine embroidery stitches: Run and triple run, Satin, tep/tatami, Piping/contour
7. Introduction and function of various parts of the computer also relate it to computerized embroidery machine.  
Basic knowledge of computers.  
Introduction to Corel Draw.  
Commands like cut, copy, paste and text writing.
8. **Types of needle** and their uses and handling  
Needle precautions  
Types of needle  
Checking of needle  
Selection of needle according to fabric
9. **Types of embroidery threads** – brief knowledge of threads.  
Composition of threads- benefits and disadvantages of different kinds of thread  
Difference between upper thread and bobbin thread.
10. **Type of Fabrics**  
How to handle different-different fabrics. Benefits and disadvantage of heavy and light fabrics. Detailed Knowledge of Machine Head, tension point, sensors etc. Embroidery process. Head working area and stitch formation.
11. **Maintenance of machines and Safe operating principle.**  
Stabilizers/backing their types and uses.

Need of stabilizing fabric.

**12. Knowledge of digitizing software and machine keys.**

Description of software and its need.

How software works (x-axis and Y-axis).

How software designs linked with machine.

Introduction of digitizing software like software interface etc.

**13. Use of scanner with digitizing software.**

Importance of scanner.

**14. Detailed study of digitizing procession software.**

Learn different stitches with examples on machine.

Making design on software.

Loading digitized designs in machine

Information of design on LCD (Liquid Crystal display)

**15. Details knowledge of machine regarding Area and its capabilities.**

Setting of design on different articles, placement specification

**16. Knowledge of Monogram & Logo: monogramming and design making on designs**

**17. Advance techniques in Machine Embroidery.**

Detailed knowledge of special Attachments on Operating machine on self-made design.

How to handle these attachments

Knowledge of changing guides for sequins and cording tapping device.

The logo of the Nagaland Staff Selection Board is a circular emblem. It features a central sun with rays, a green mountain range, and a blue sky. The text 'NAGALAND STAFF SELECTION BOARD' is written in a circular path around the central image. At the bottom of the emblem, a yellow banner contains the text 'COMMITTED TO EXCELLENCE' in white capital letters.

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