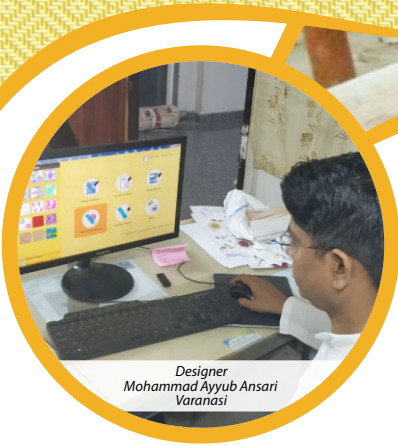


Weaver, Ramesh Kumar Patel, CFC Lohta, Varanasi



Designer  
Mohammad Ayyub Ansari  
Varanasi

## DigiBunai™ CATD

*Ka Open Source CAD Software na ka bynta ka  
Textile Designing*



**Digital India Corporation** (Formerly Media Lab Asia)

Meghalaya

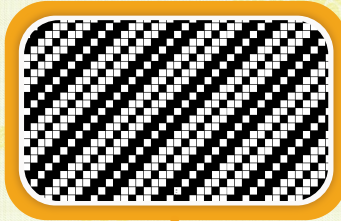


*Ka open source CAD Tool ka dei ka jingpyndonkam ia ka pre-loom process  
ha kaba shna ia ki design, ha ka por mynta da kaba pyndonkam da ki  
graph, bad pyndait ha ki jacquard cards*



## *Ki Functional Support*

BAN THAIÑ



BAN DESIGN



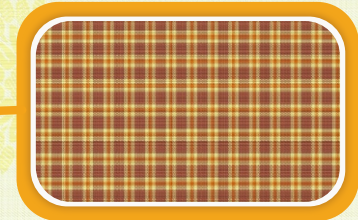
PEIT IA KA JAIÑ



KA GARMENT

KA FABRIC

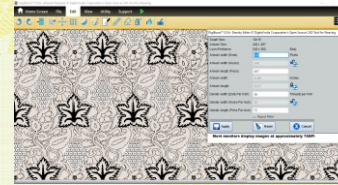
**DigiBunai™**  
CATD



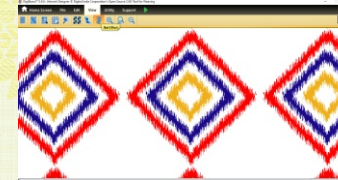


## Ban Design Artwork

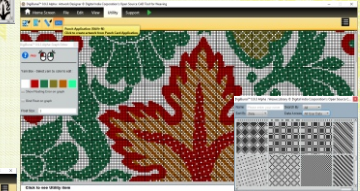
- Direct drawing jong ki motifs ha ka customized graphs
- Ka Automatic conclude ia ka graph size ryngkat ki density parameters.
- Ka Automatic color reduction bad ka color replacing.
- Ka Design mirroring bad ki repeats.
- Ka Color filled design sha ka sketch transformation.
- Ka Provision ban fill ia ki weave patterns ha ka designs.
- Area bad color based weave filling ha ka Artwork.
- Provision ban create IKAT effect ha ka designs.
- Auto Detect bad Elimination jong ki Yarn floats.
- Function ban ioh ki Numeric form jong ka Graph Designs.
- Support sha ka Manual/Piano/Electronic card punching's.
- Ka Actual size jong ka design printing.



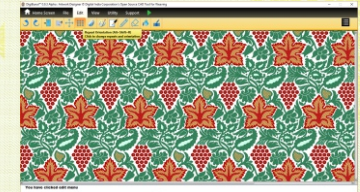
Ban shna ia ka Design



Ka IKAT Visuals



Ban Edit ha ka Graph bad ki Weave Patterns

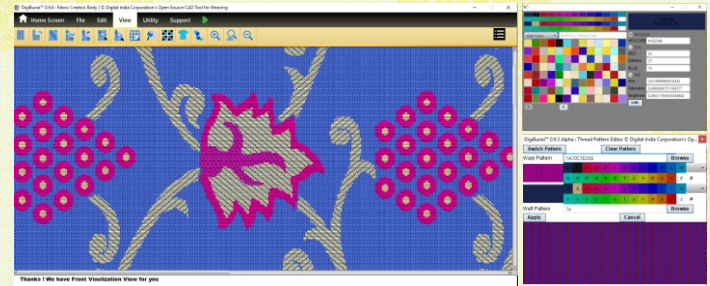


Ban Repeat Ki Visuals

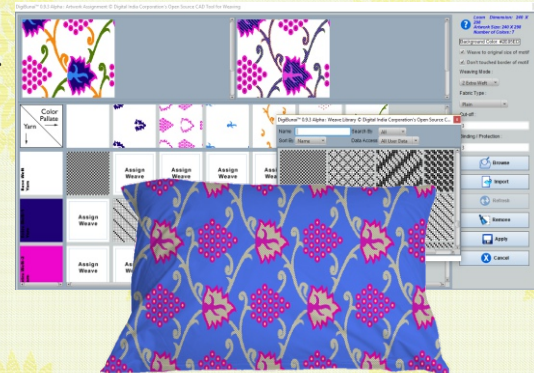


## Ban shna Fabric

- Ki tiar ban pynrung/kylliang ia ki weave pattern ha ka por ba design.
- Buh da ki graph ba lah dei khnang ba lah ban pyndonkam ia ki motifs da ki fill weave.
- Ka jingiarap da kaba pyndonkam ia ki extra wefts lane extra weft weaving.
- Ki kyndon ba la buh na ka bynta ban pynkylla ia ka yarn density.
- Ki kyndon ba la buh ban pynkylla na ka bynta ka Yarn sequencing.
- Options ban visualize ka shakhmat & shadien jong ka fabric.
- Auto calculate Bill of Material.
- Fabric rendering ha ka 2D objects.
- Provision ban customize ia ka graph size jong ka Design.
- Facility ban export ia ka Fabric & construction details.
- Support ia ka Electronic Jacquards (BMP).



Ban pynkylla ia ka Artwork sha ka Fabric

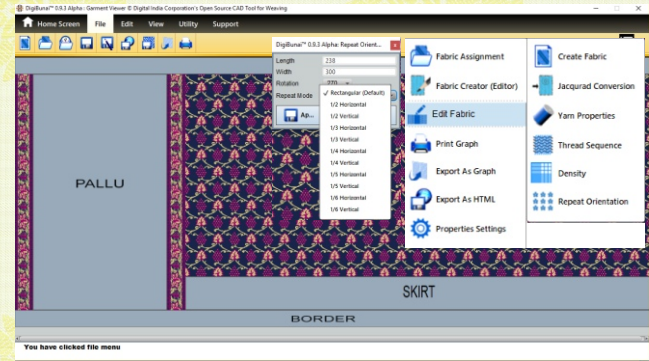


Ban render ia ka Fabric ha ka 2D Objects

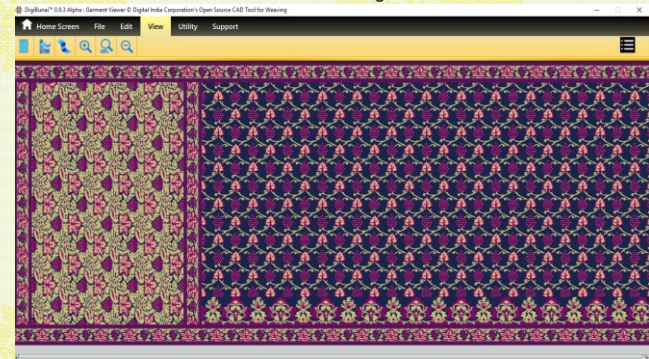


# Garment

- Ka Play area na ka bynta ki Designers ban iohi ne peit ia ka jain shuwa ban thain
- Ki Pre-defined bad customized layouts jong ki jain.
- Ka Provision ban set ia ka component repeats.
- Ka Repeat mode settings na ka bynta ka designs ha kawei kawei layout component.
- Ka Option ban pynkylla ia ka yarn colors & density.
- Ka Facility ban Save, Export & Print ia ka Layout.
- Ka Provision ban export ia ka Technical Sheet Layout.



*Ban Edit & Design ia ka Fabric*

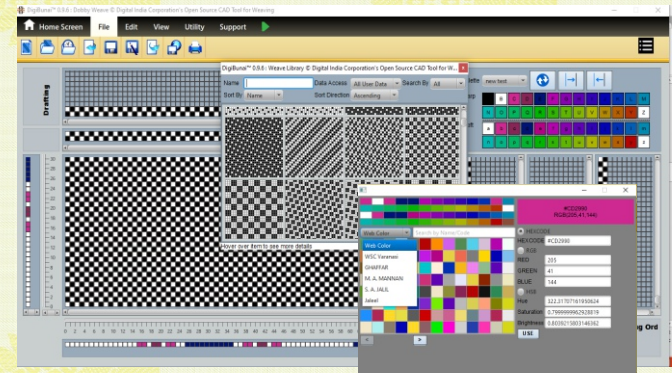


*Ka Layout ba la shna lypa*

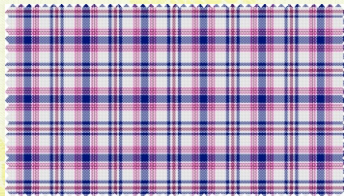


# Dobby Weave

- Ka Facility ban shna ia ki Weave & save ha ka library.
- Ban Auto generating jong ki Drafting, Peg Plan, Treading bad Tie-up.
- Ka Weave repeat visualization.
- Ka Library jong 545 ki weave patterns.
- Ka Provision ban shna Double layer fabric.
- Ka Multi & Complex Weave Generator.
- Ka Facility ban shna Extra Warp patterns.
- Ka Yarn sequencing.
- Kaba peit ia ka Front & Rear side jong ka fabric.
- Ka Colorways function ban visualize ia ka fabric bad shibun ki yarn color combinations.



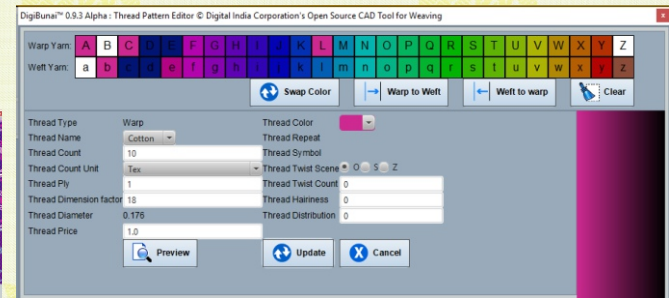
*Ka Weave Creation bad ka Yarns Editing*



*Ban peit ia ka Fabric*



*Ka Colorways (Ban peit lang kiwei ki Fabric)*

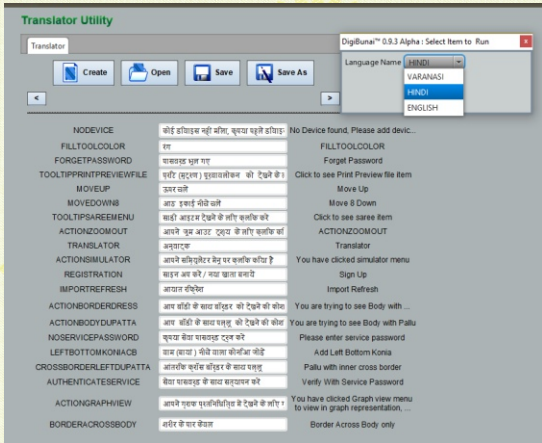


*Ka Yarn Color Palette*

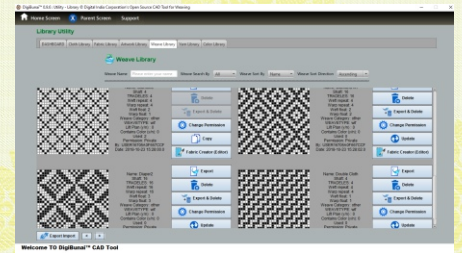


# User Support

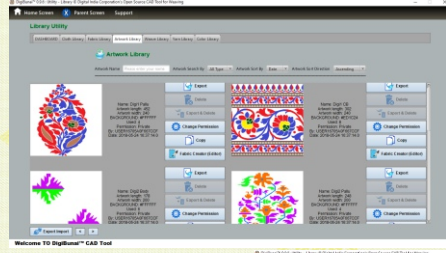
- Facility ban shna color catalogue (Digitized popular Silk yarn color shades jong ka Varanasi).
- Multilingual Support (Bujli ia ka jaid ktien framework).
- Suk ban combine lang ia ki third party design tool
- Secure synchronization jong ki creations bad ka central server.
- Provision ban Import/Export ia ki data.



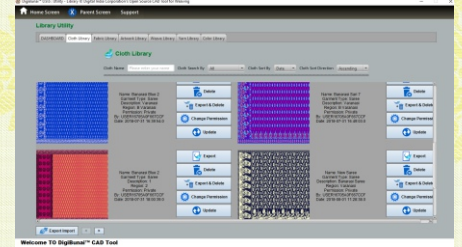
Ka Multilingual Framework



ka Weave Library



Ka Design & Fabric Library



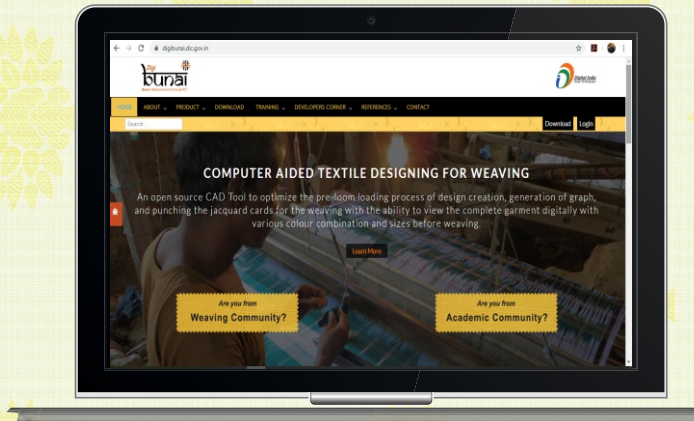
Ka Garment Library





## Support & Requirement

- Download ia ka DigiBunai™ → <https://digibunai.dic.gov.in/index.php/download>
- User Manual → <https://digibunai.dic.gov.in/manual/productmanual.pdf>
- Training Material → [https://www.youtube.com/results?search\\_query=DigiBunai](https://www.youtube.com/results?search_query=DigiBunai)
- Open source repository (GitLab) → <https://gitlab.com/dic-tddd/digibunai>



<https://digibunai.dic.gov.in/>

Requirements	
Operating system	Windows 7, Windows 8 and Windows 10
CPU	i3 or above
RAM	4 GB or above
Environment	Java (JRE 1.7.0.79)
Database	MySQL 5.6 or above

Supported Formats	
Artwork	jpg, png, bmp
Weave	wif, html, png, bmp
Graph	png, bmp
Fabric	html, png, bmp
Garment	html, png, bmp
Color Catalogue	xls, xlsx, csv

# Sketch to Fabric Transformation in DigiBunai™



KA SKETCH



KA DESIGN BA LA PYNDAP KI COLOR



KA DESIGN BA LA PYNDAP DA KI WEAVE



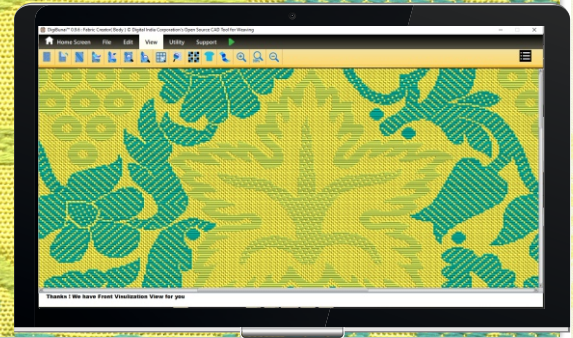
KA DIGITAL FABRIC



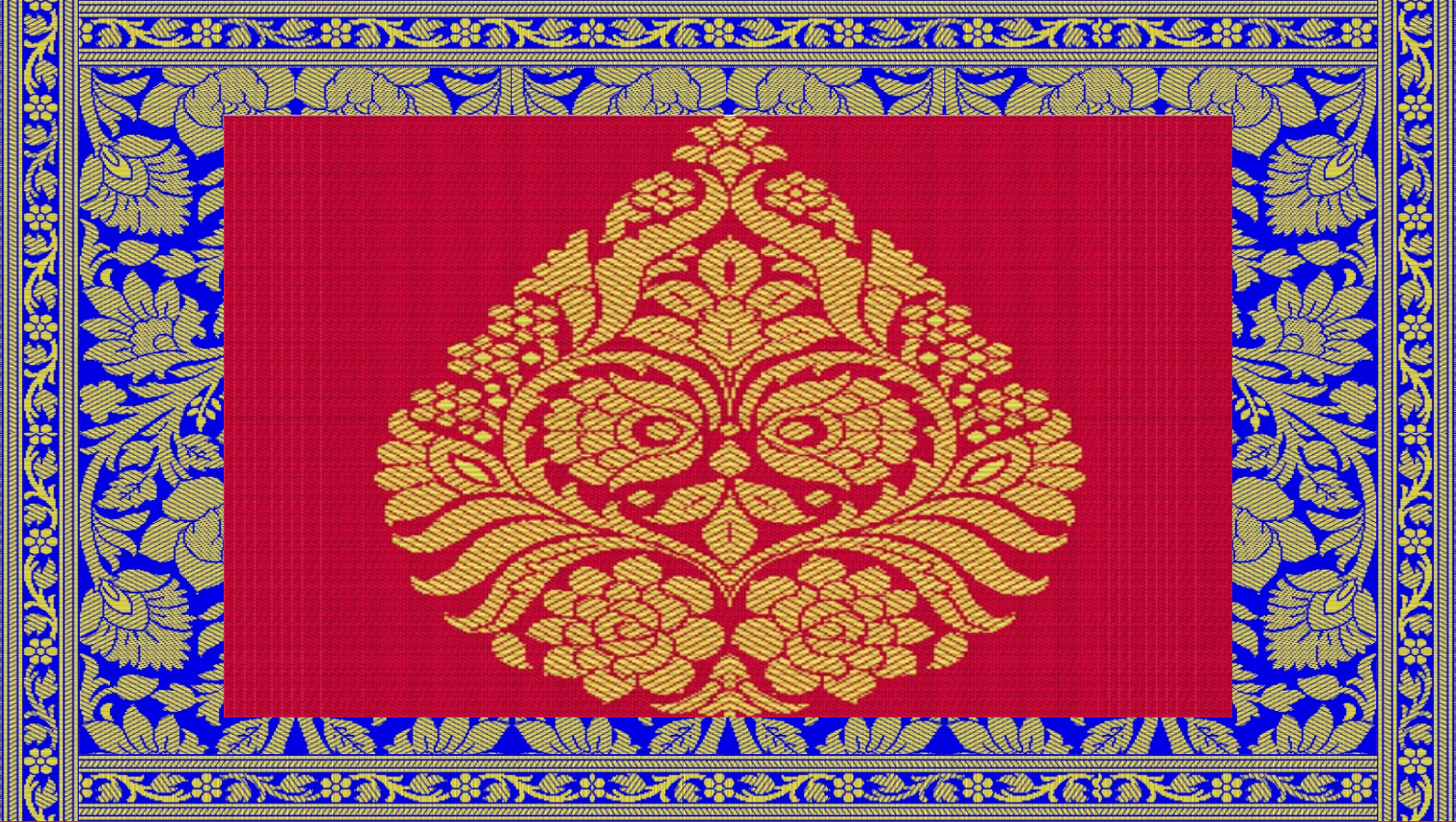
KA FABRIC BASHISHA

# *KA Digital Fabric Vs Ka Fabric ba shisha*

KA FABRIC BASHISHA



DigiBunai™ Fabric Simulation



## DIGITAL INDIA CORPORATION

### Registered Office

4th Floor, Samruddhi Venture Park,  
Central MIDC Road #2, Andheri (East), Mumbai  
Ph. +91-22-2831-2930/ 31

### Research & Development Office

Electronics Niketan Annexe,  
6 CGO Complex Lodhi Road, New Delhi-110003  
Ph. +91-11-24360199 / 24301756