

Investigation on Rangoli pattern
Kolam –South Indian floor art

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Project guide :Prof: Ravi Poovaiah





Out line

Introduction

- Scope of the project
- Boundaries and the limits of the project
- Existing knowledge about Rangoli (*Kolam*)
- Case studies

Kolam during Pongal

indoor and out door

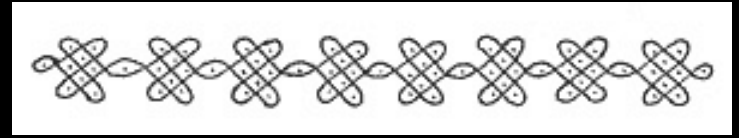
- Classification of decorations
 - Analysis of decorations
 - Conclusions
- 



- Every region of India has their own way of expressing their culture through various form of art which also reflects their beliefs and rituals. So the study includes the basic analysis of one of the floor art call "*Rangoli*".

- To restrict the domain of the project using few criteria of study are mainly related to region/place, occasions/events and environments/artifacts.
- The scope of the project includes the understanding behind the varieties of patterns ,motives and form of decorations. Forms which are of various kinds like geometrical ,organic sometimes both together.
- The study is to come up with a new methodology to create “*kolam*”, using traditional patterns

• *cultural influences*





Special shrine to the house gods and harvest for pongal.



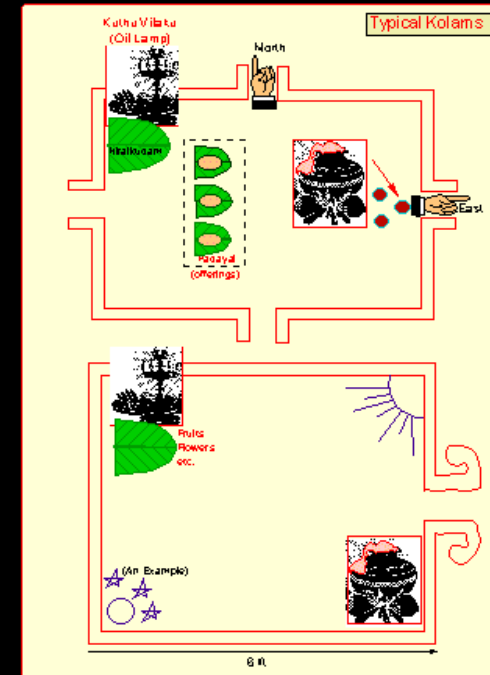
Foot motif indicating the welcoming of goddess Laxmi to a holy place



overflowing pot
the area where pongal is been made is decorated with kolam .which defines the space for pongal.



Pongal



Rice flour (plain and coloured) is used to draw the kolam.

Parallel straight lines

A kolam can be a plain one or can be artistically drawn with symbols of cosmic interest.

The kolam defines the sacred area where the pongal is prepared.





Agal kolam



kumba kolam



Bharama Mudi kolam



surya chakra kolam



Monday kolam: to honor Soma (the Moon).



Wednesday kolam: to honor the navagraha (planet) Budhan(Mercury).



Tuesday kolam to honor the navagraha (planet) Chavai (Mars).



Thursday kolam: to honor the navagraha (planet) Guru (Jupiter).



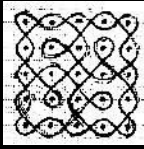
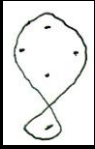
Friday kolam :to honor the navagraha (planet) Sukran (Venus).



Sunday kolam :to honor Surya (The Sun).

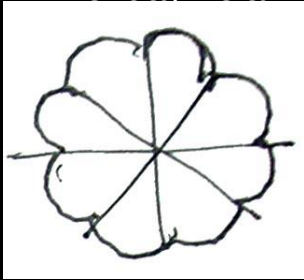


Saturday kolam: to honor the navagraha (planet) Shani (Saturn).



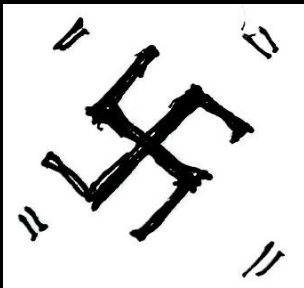
to bring feminine grace and beauty as well as mental clarity.

Monday kolam:



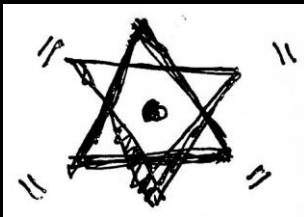
frees one from debts, poverty, illness

Tuesday kolam:



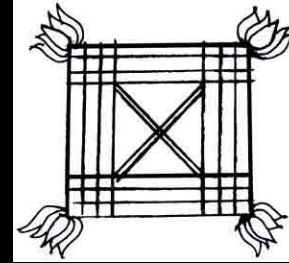
promotes intelligence and prosperity and brings the blessings of harmonious communication.

Wednesday kolam:



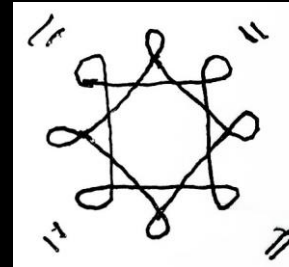
to bring wisdom, intelligence and longevity to all who see it.

Thursday kolam:



to bring wealth, prosperity and abundance in all aspects of one's life.

Friday kolam:



To avoid delays, sorrow, restrictions and adversity

Saturday kolam:



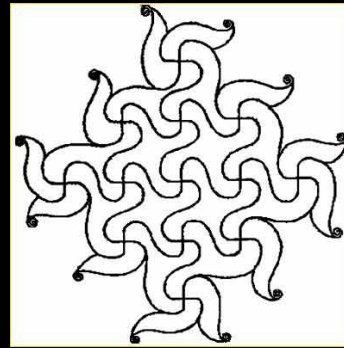
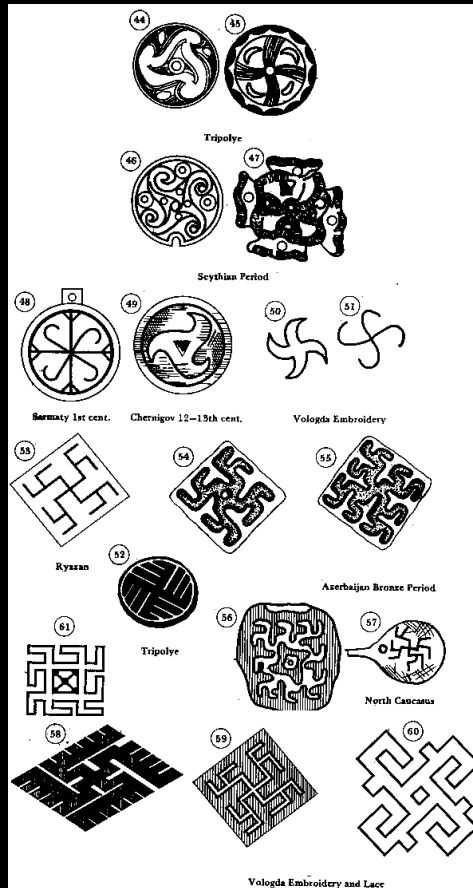
general well-being.

Sunday kolam:

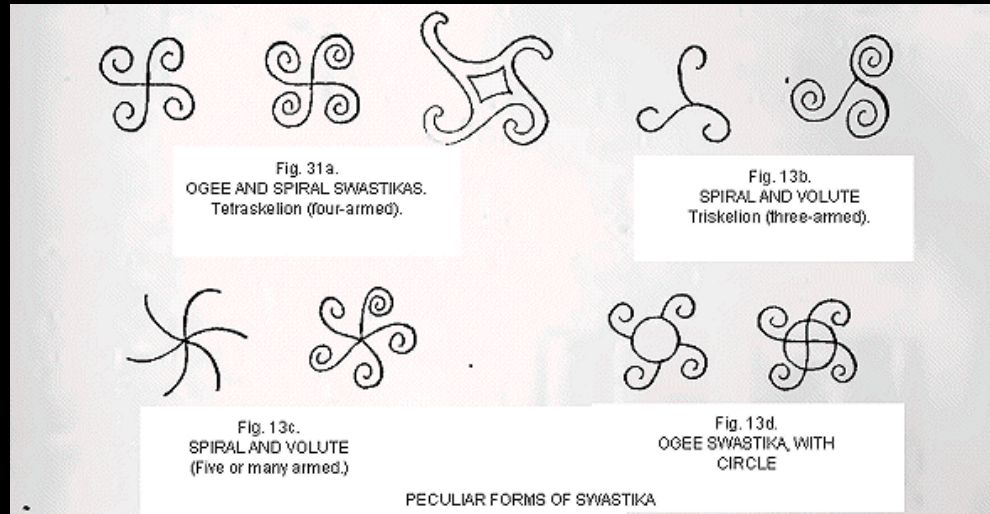


“various postures in which the benefits for the artist to bend down each morning - it is said to help her digestive system, reproductive organs and to help overall stretching of the body.”

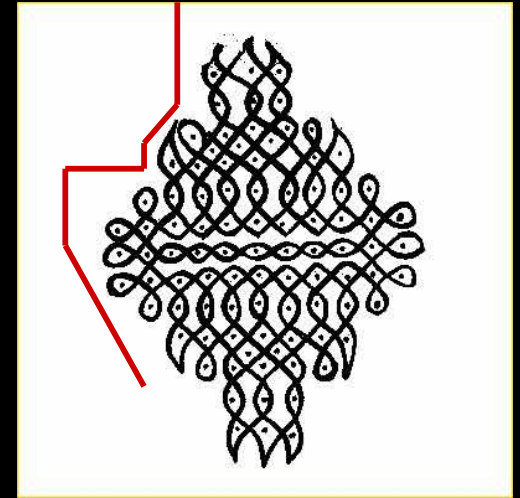
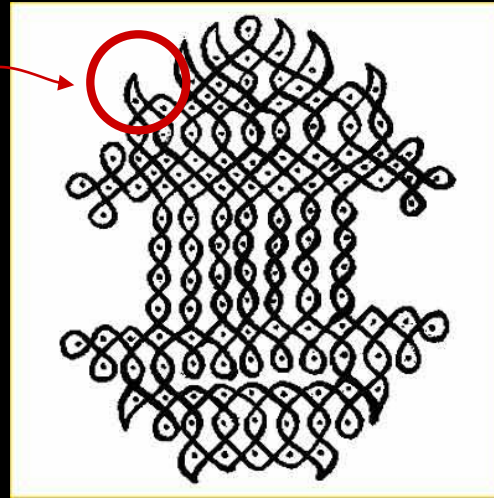
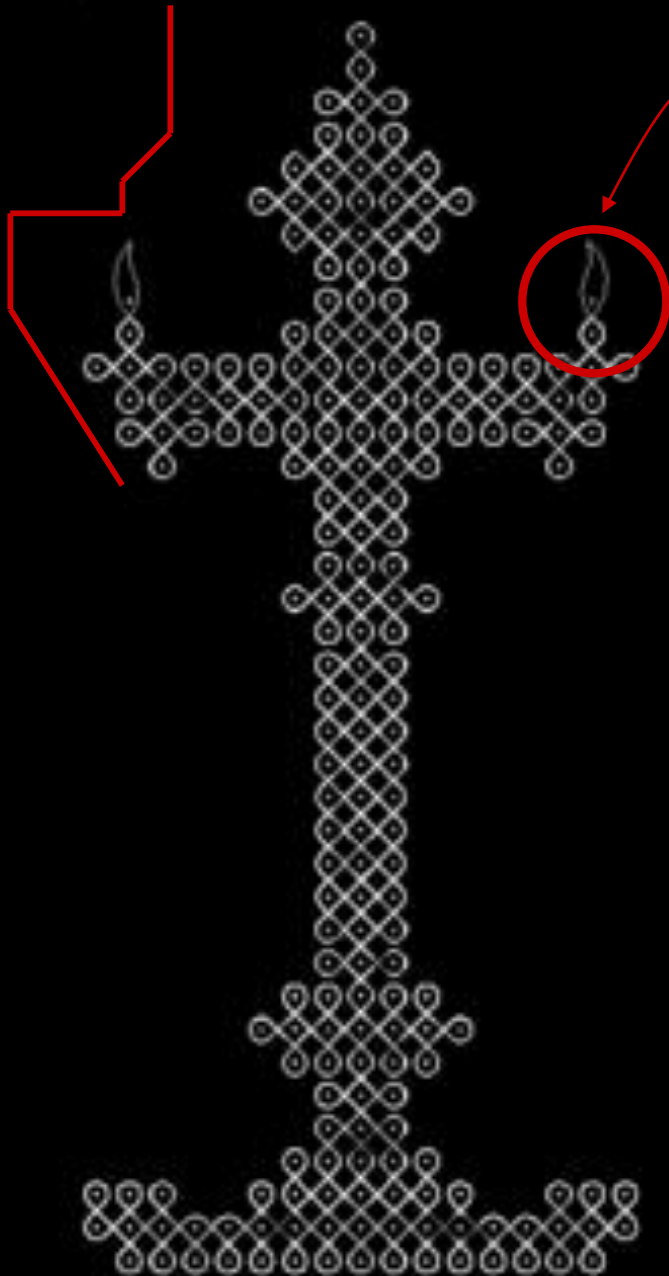
Religious icons



Swastika



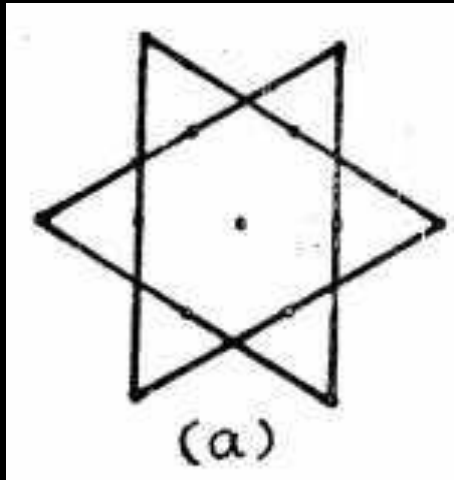
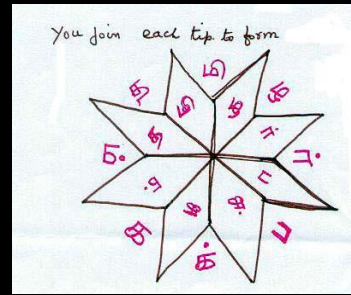
Swastika is a symbol connoting general auspiciousness. It may represent purity of soul, truth, and stability



elements that are used to create the kolam are derived from the holy diya : Vilakku.
and the pointed element that u see shown in image is a derivation from an abstraction of a flame



Goddess Lakshmi



The Star of Lakshmi



The Star of Lakshmi with lotus



Foot motif indicating the welcoming of goddess Lakshmi , to a holy place

..... *Case study*



Pongal kolam



Abstract
creepers

Abstract
flower

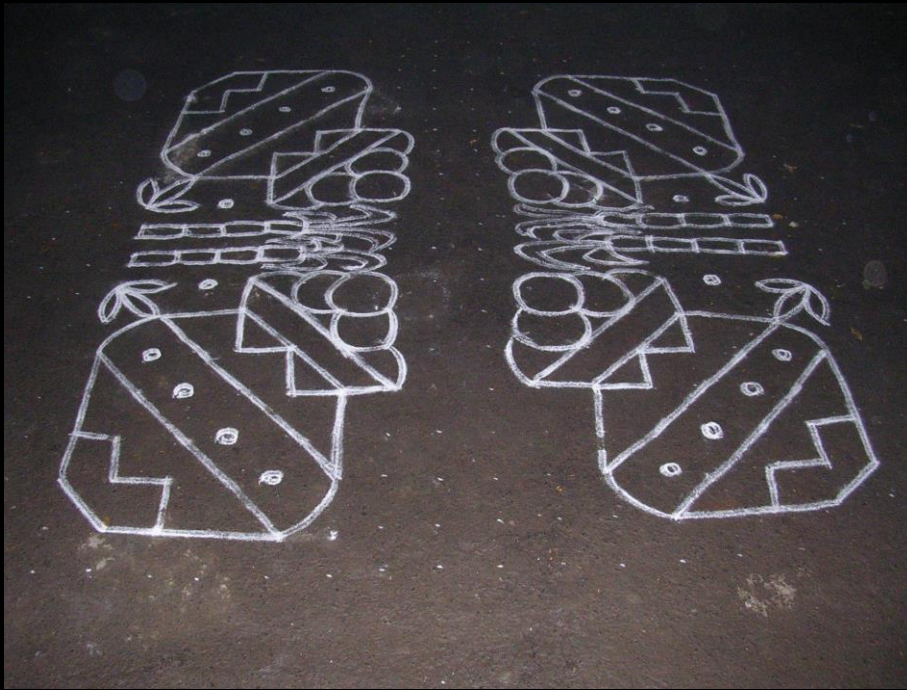


Abstract leaves

Abstract buds



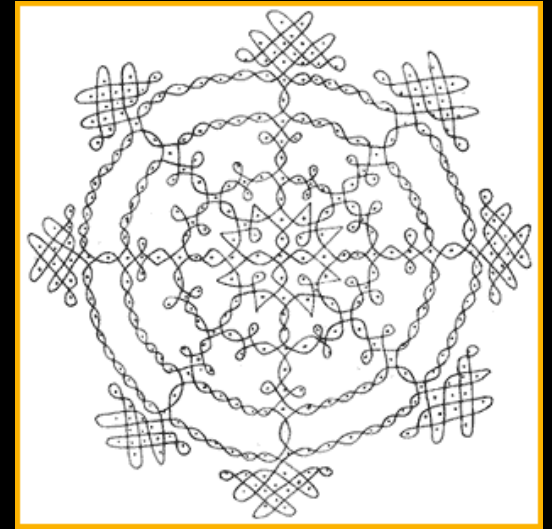
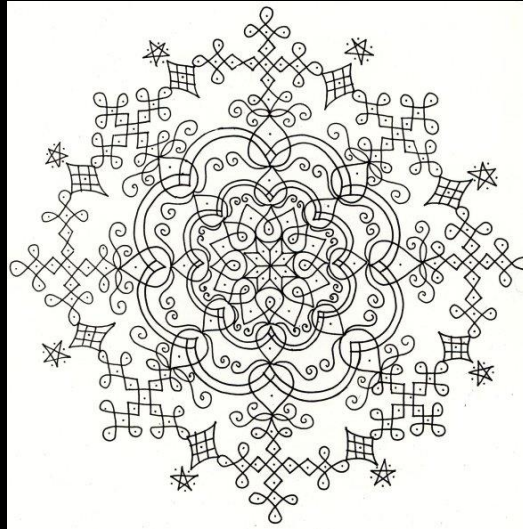
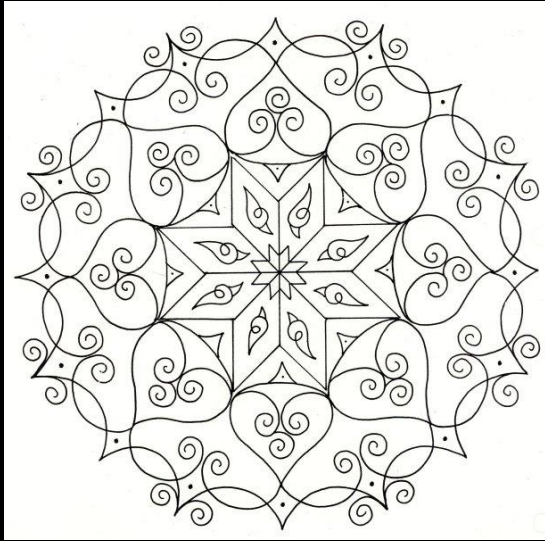
bordered with blood-red "kaavi" (red brick
paste)



In this particular kolam the elements that are taken are derived from elements which are mainly seen during harvesting .And that is how they create specific kolam for specific occasion.

elements like overflowing pot ,sun
sugar cane and wheat .

Poo kolam

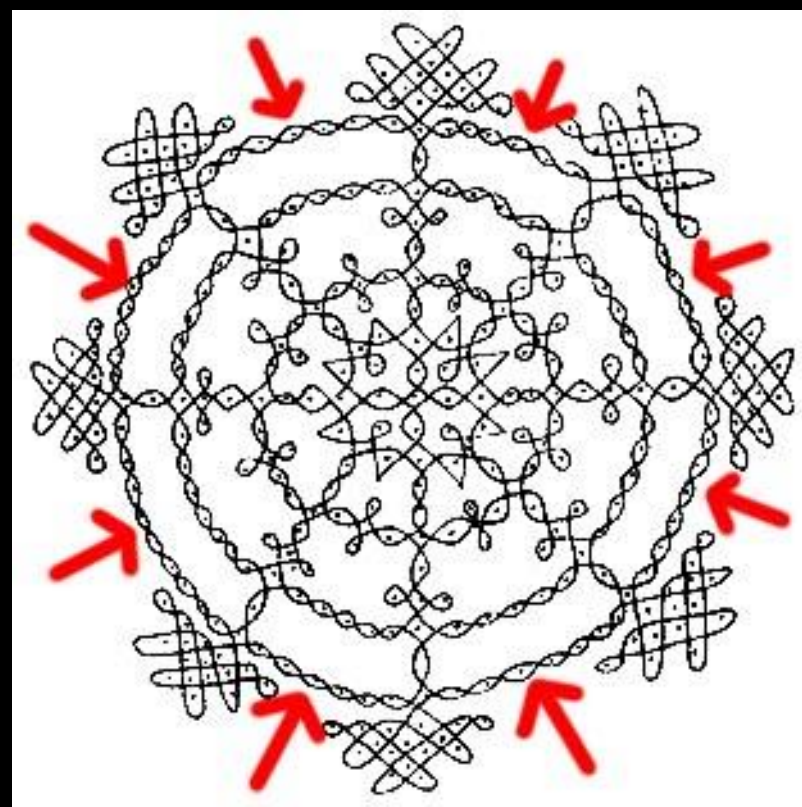
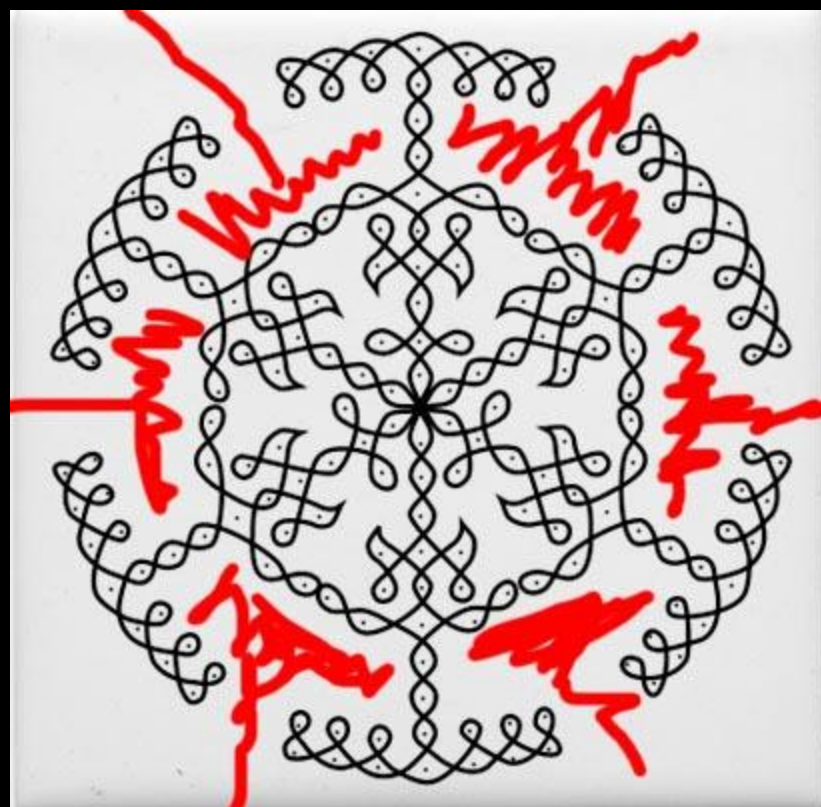


Centrally growth

Closed parameters

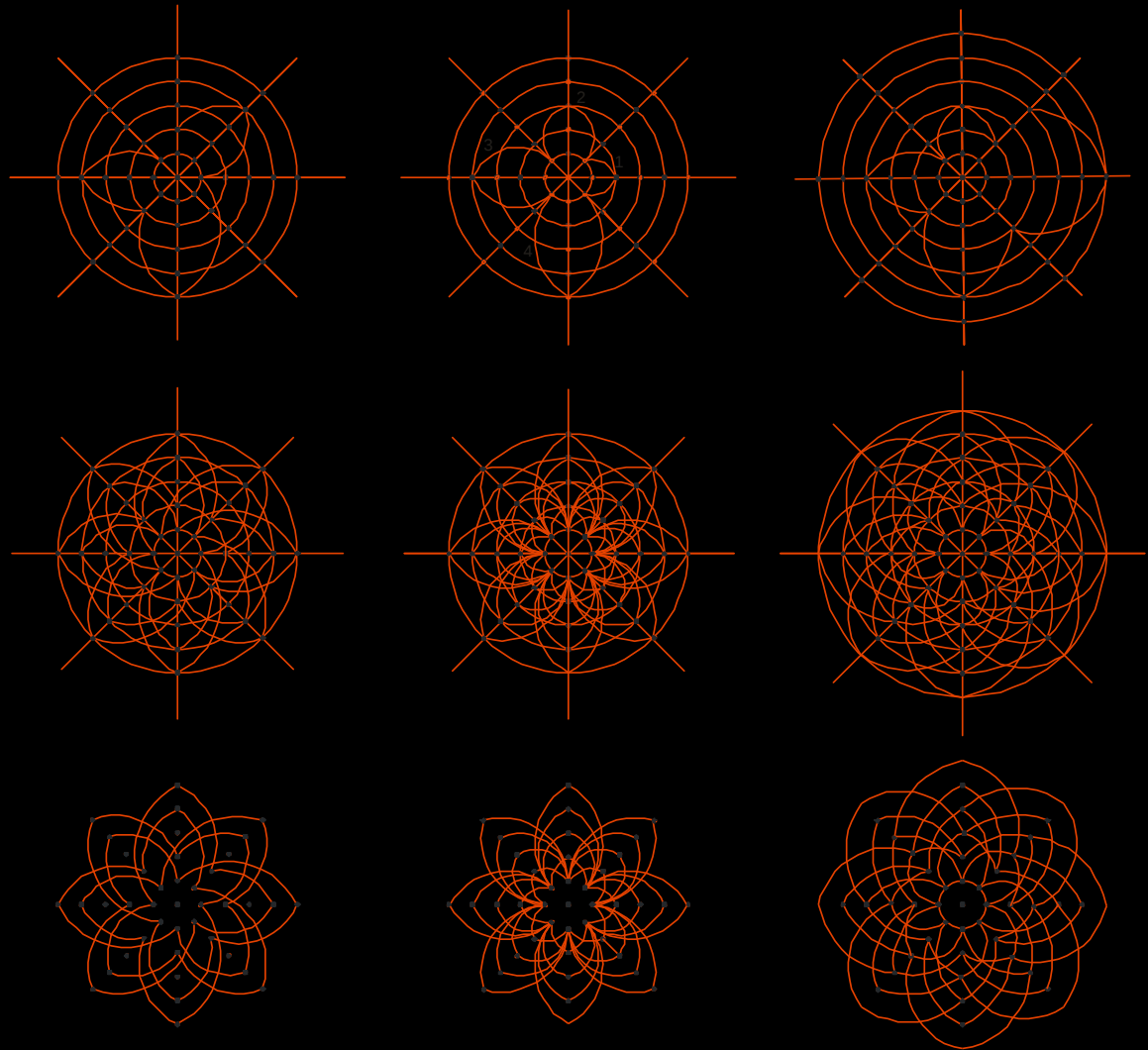
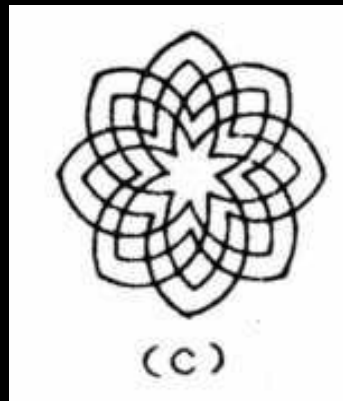
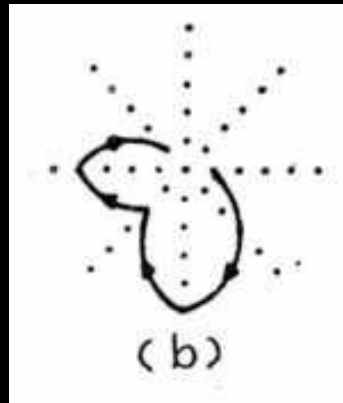
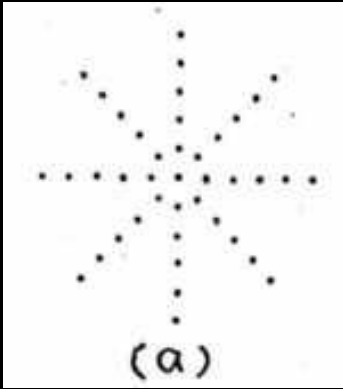
Special elements indicating eight dishas

Elements of patterns are used mostly related to flowers ,leaves ,buds ,creepers including few geometries like triangle ,circle ,stars,etc.



• *Analysis*

Hridaya Kamalam



Skeleton of the kolam with eight arms of length five each,
The kolam is drawn following the tracing sequence
 $\langle 1, 3, 5, 2, 4 \rangle$.
Acompleted Hridaya Kamalam design.

rules

F = move forward while drawing a line

R_1 = move forward while making a half turn to the right

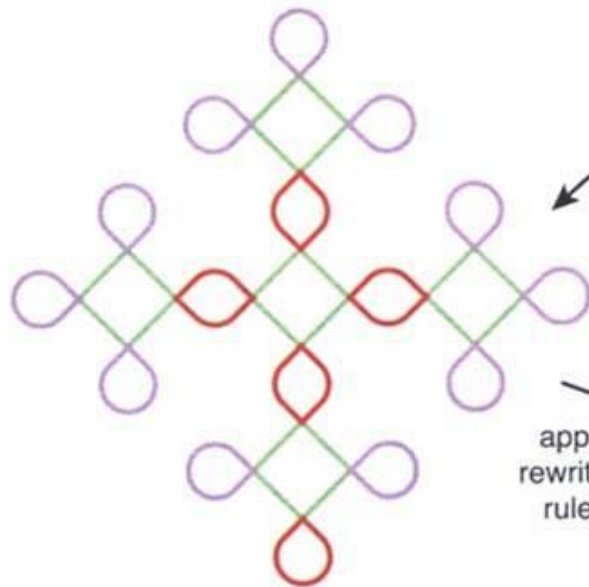
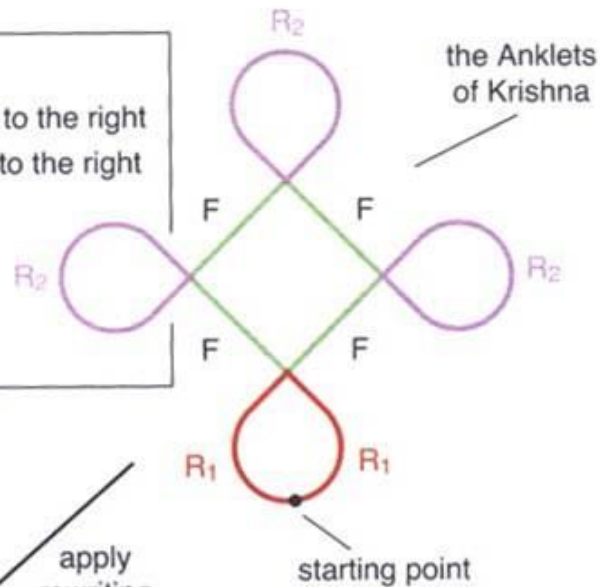
R_2 = move forward while making a full loop to the right

rewriting rules

F becomes F

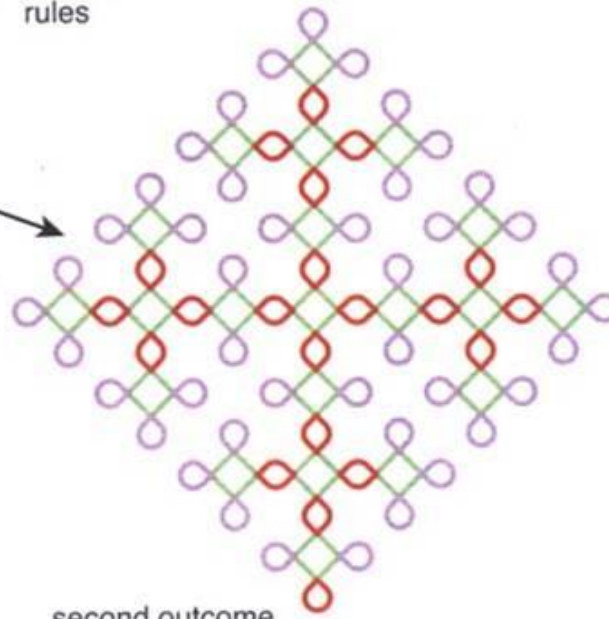
R_1 becomes $R_1FR_2FR_1$

R_2 becomes $R_1FR_2FR_2FR_2FR_1$



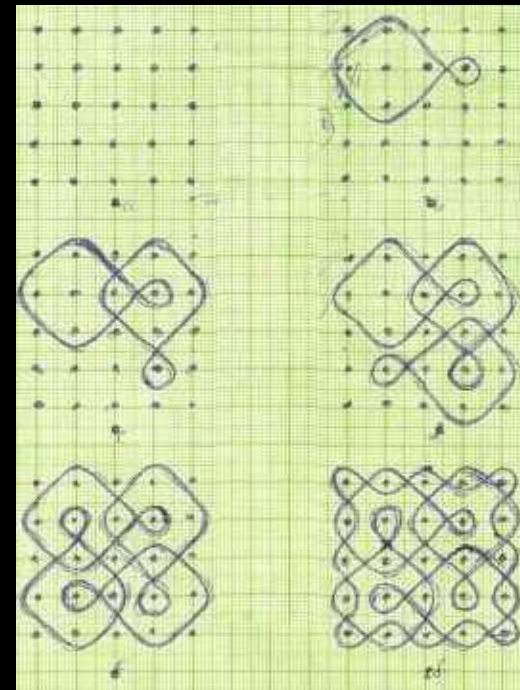
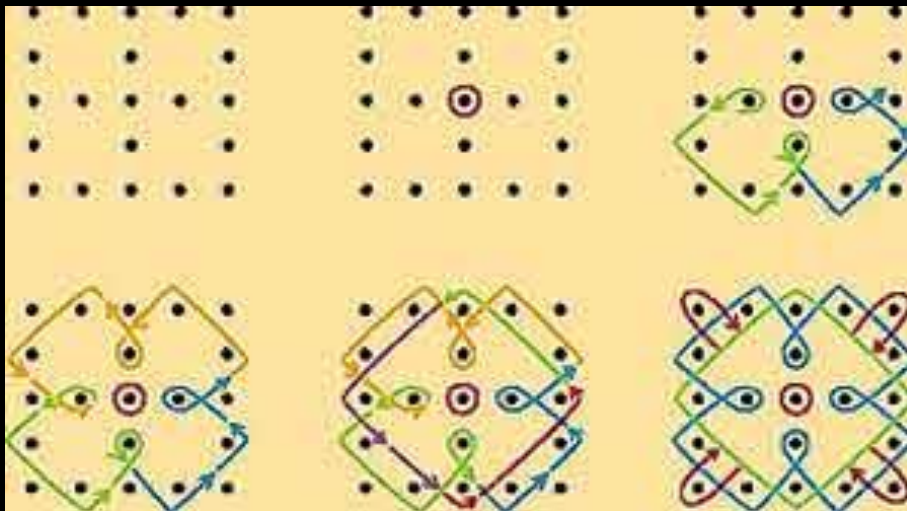
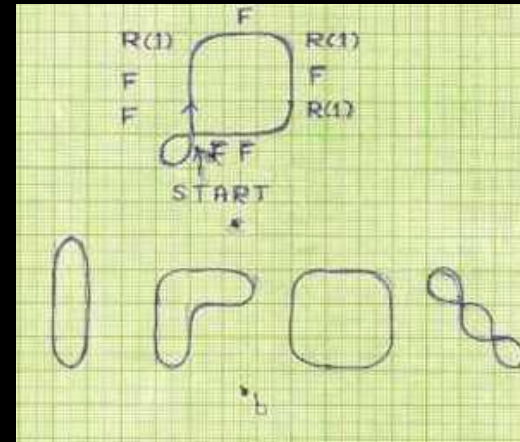
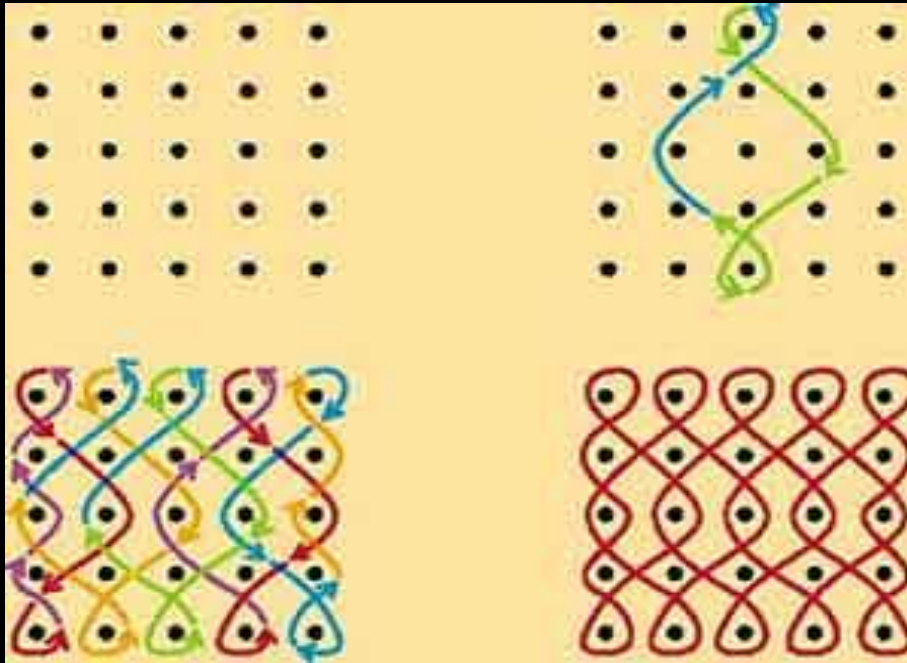
first outcome

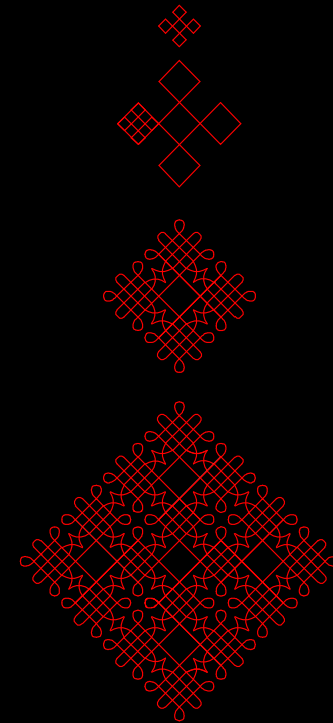
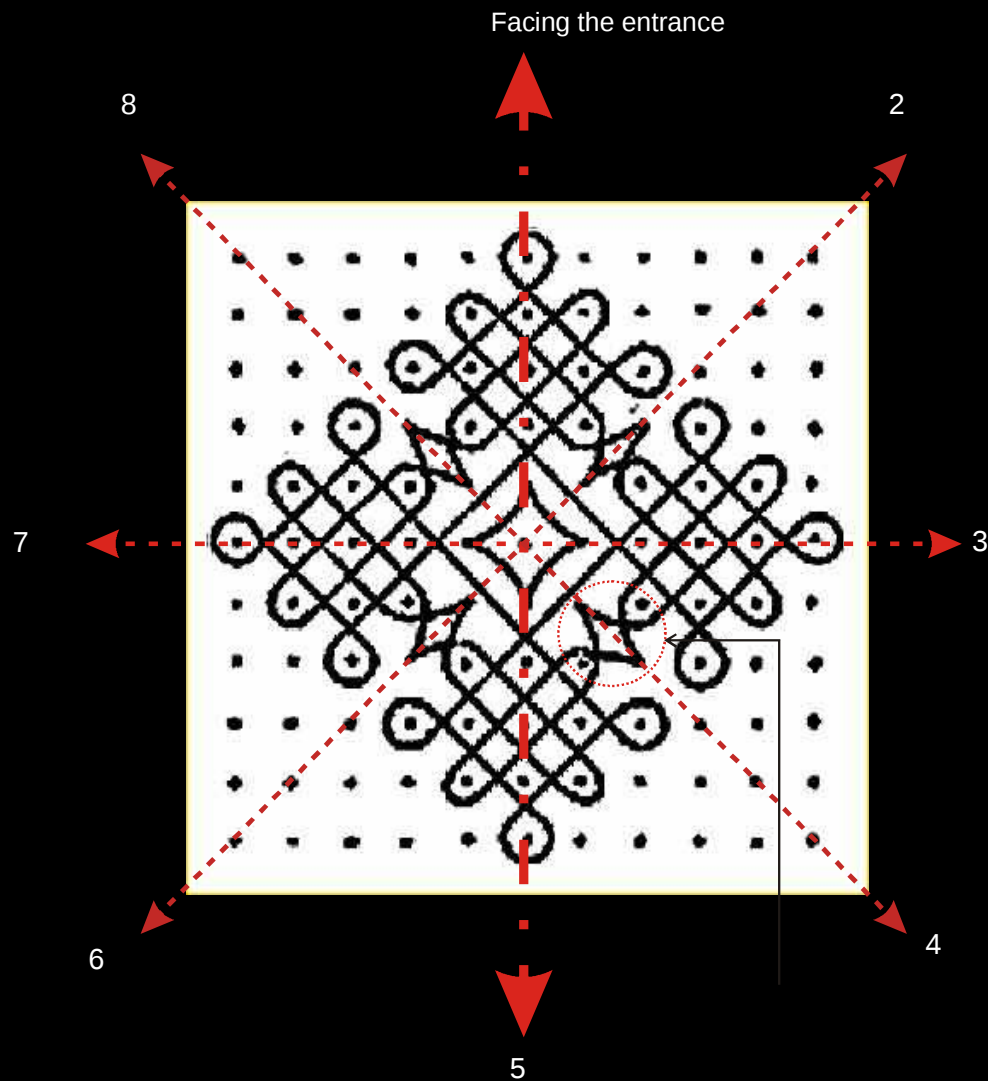
apply
rewriting
rules



second outcome

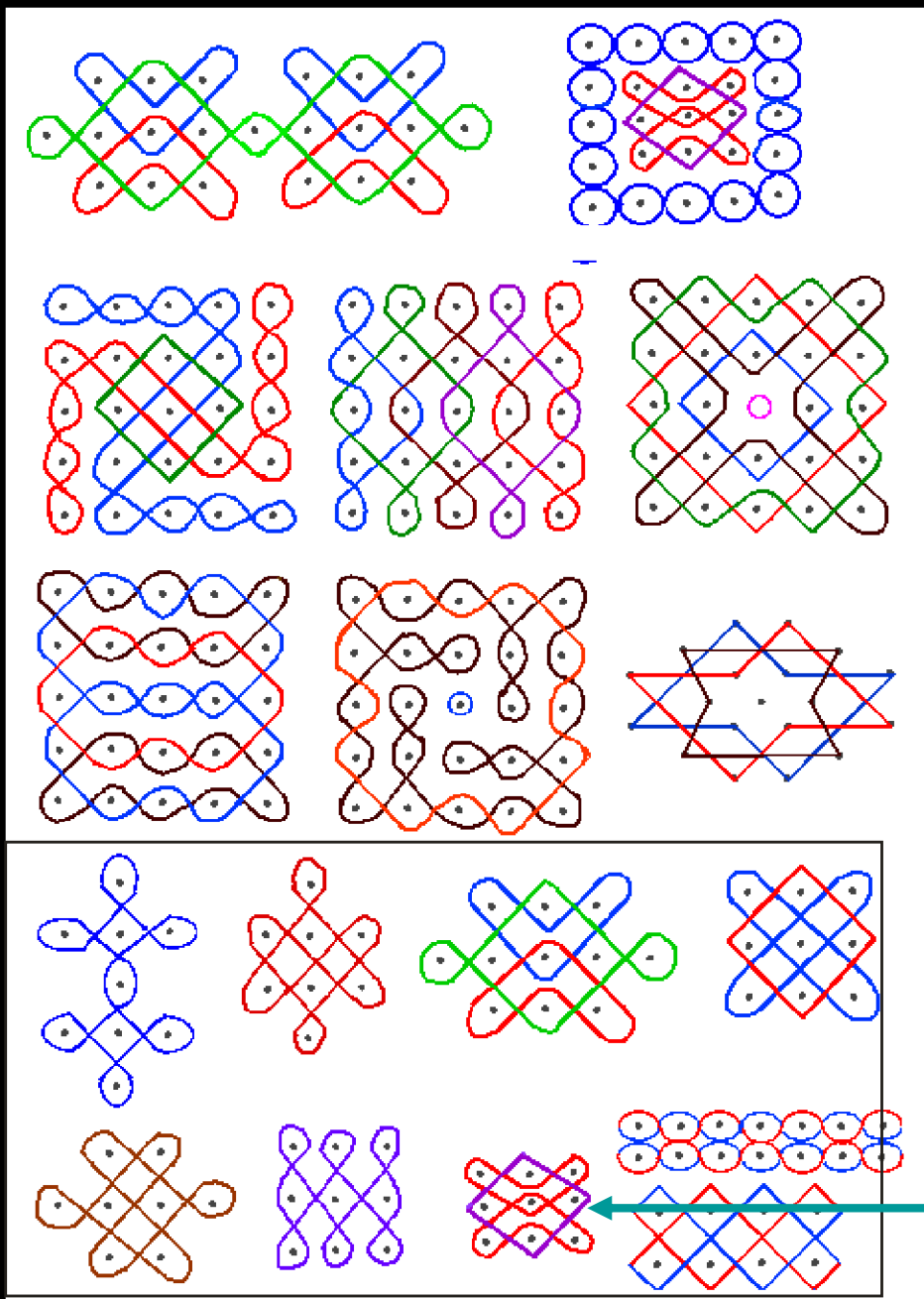
Methodology



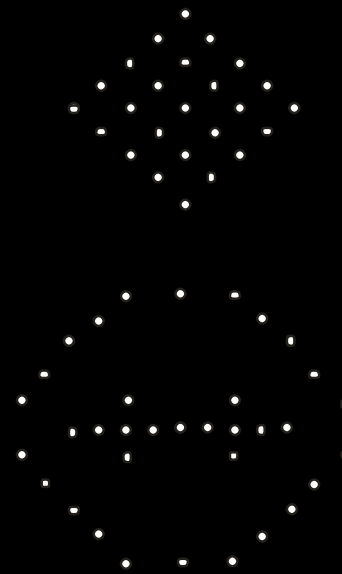


the dots and the lines that makes geometry are arranged in a specific order which depicts :

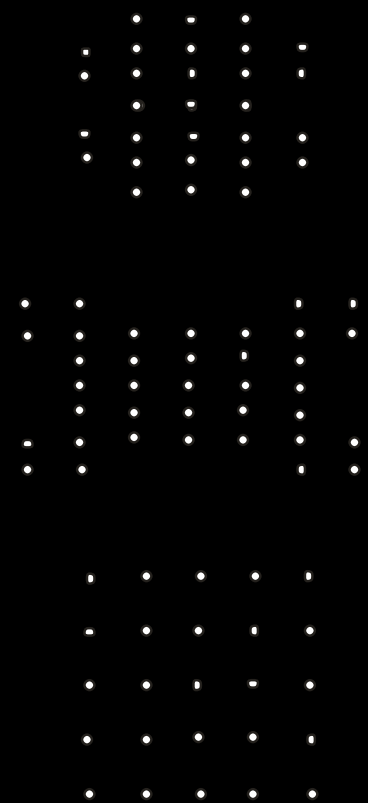
growth
 hierarchy
 overlapping
 intersection
 repetition
 multiplication
 proportion
 centrality
 symmetry



Sandha pulli



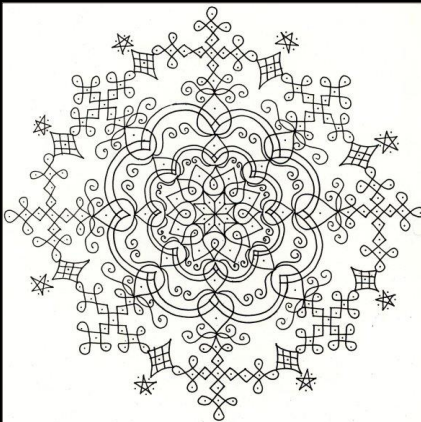
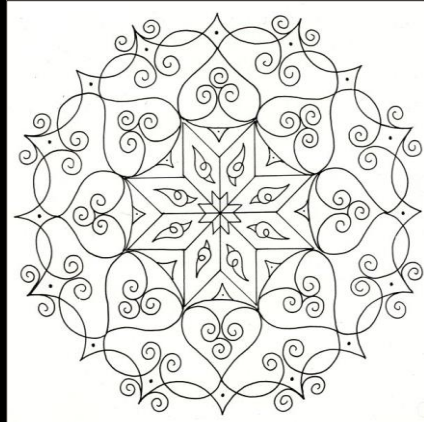
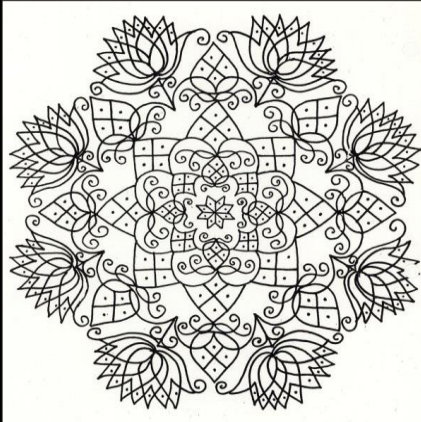
Neer pulli



neer pulli is a background which is made of dots arranged in parallel line
 sandhu pulli is a background which is made of dots arranged in between two dots

The knots are used as a module in kolam and repeated to increase the size of the kolam as per needed.

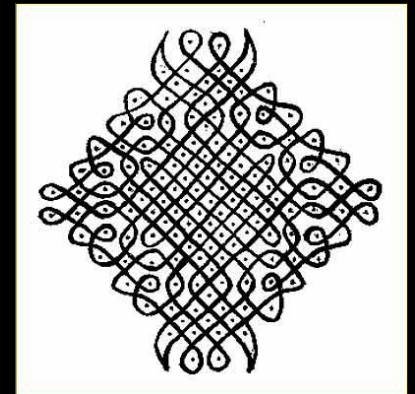
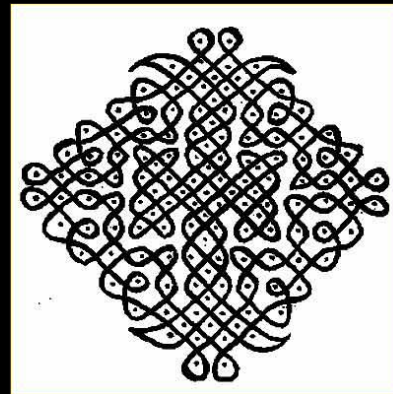
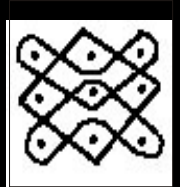
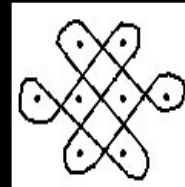
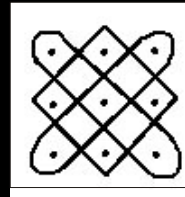
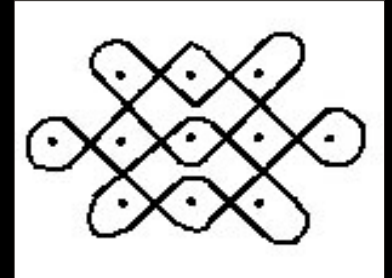
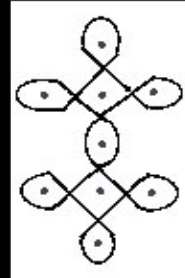
Poo kolam



poo kolams are almost found in form of a circle
and siku kolams are found in forms of squares.

poo kolams are centrally developed kolam

Siku kolam



kolam is sometimes made of one continuous
line or a loop ,

elements related to temple like *Vilakku* ,flame of
the *Diya* ,and in form of *chariot* .

Combination of siku kolam and poo kolam



Kolam making tool

the knowledge and aptitude of designing and making a kolam is not possessed by many.

It's a tradition that one follows from generation to generation .

one is trying to understand basic few forms which are traditionally evolved which are used to make kolam, and come up with the tool which helps making kolam,

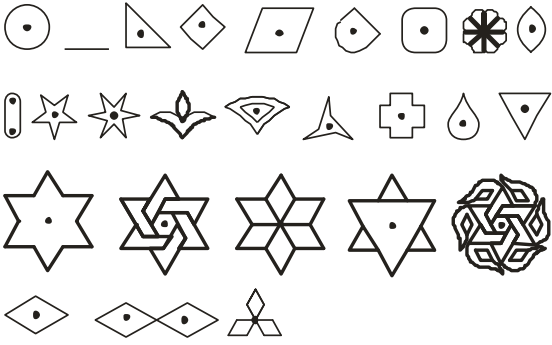
Kolam : Poo kolam
Siku kolam
custom

Title Happy Diwali

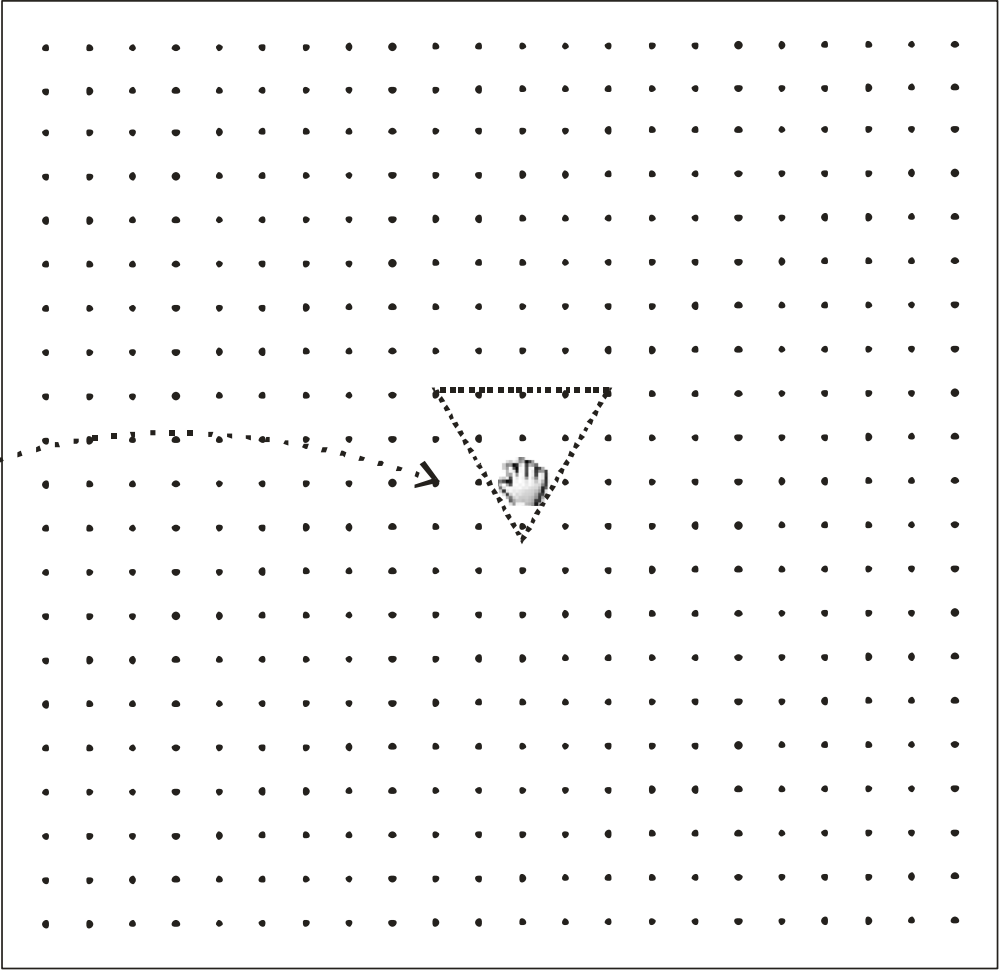
Header Happy

Footer Diwali

3 0.0 Pulli
Pulli


Add

Background Neer pulli
Sandhu pulli
Table : 1 Pulli
Raw : 4 Pulli



Clear canvas

Print

Kolam : Poo kolam
Siku kolam
custom

Title Happy Diwali

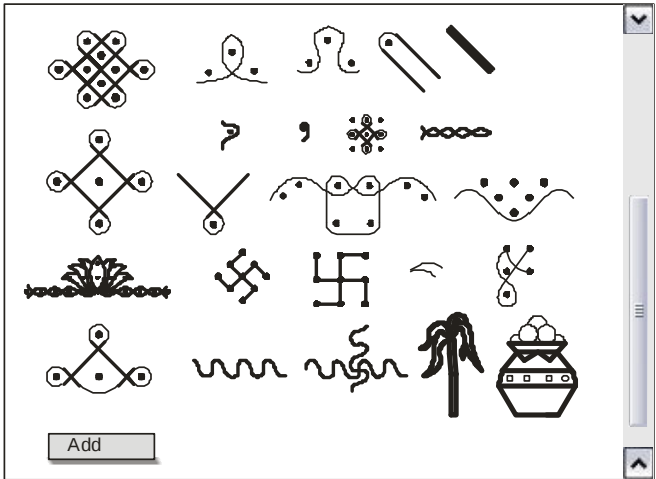
Header Happy

Footer Diwali

3

0.0

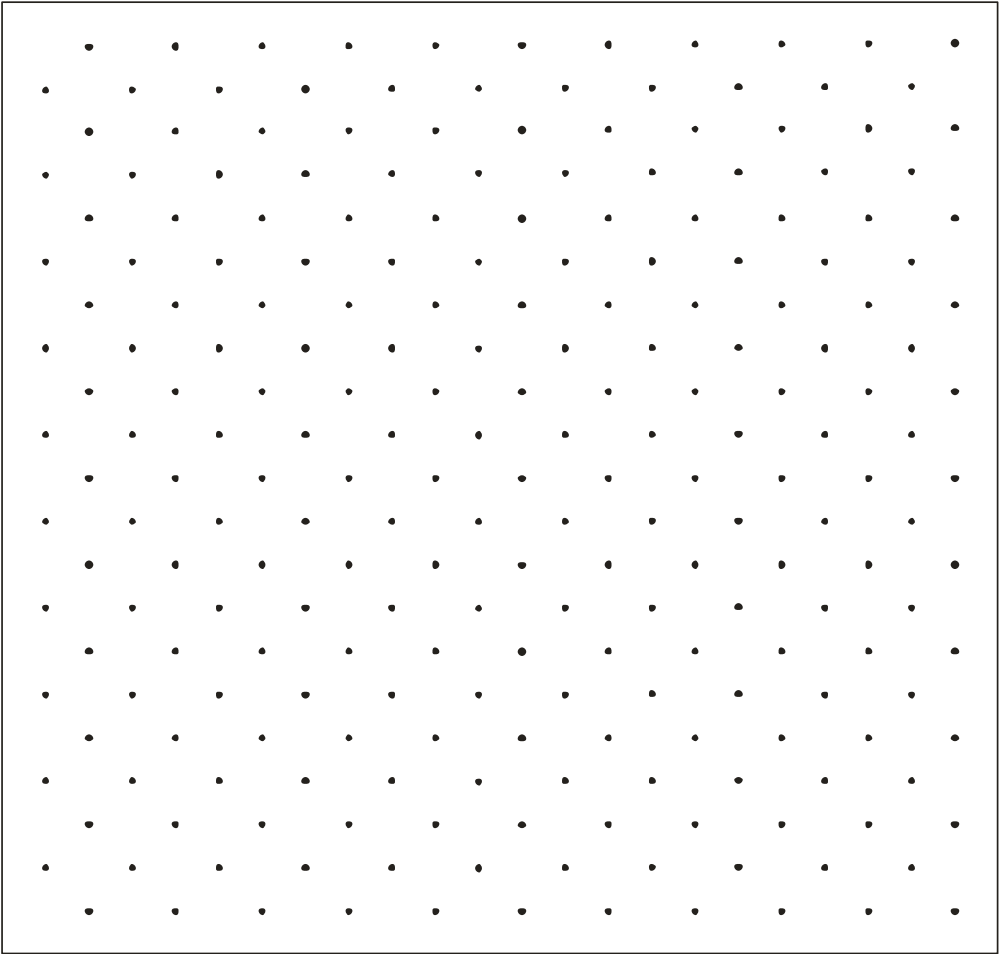
Pulli
Pulli



Background Neer pulli
Sandhu pulli

Table : 1 Pulli

Raw : 4 Pulli



Clear canvas

Print