ABSTRACT
Herbal cosmetics are defined as beauty products which possess desirable physiological movement like recuperating, smoothing appearance, improving and molding properties due to the natural fixing. Herbal Cream is a polyherbal plan that comprises of the concentrates of Aloe barbadensis, Ocimum sanctum, Azadirachta indica and Curcuma longa, Cedro oil, Myristica fragrans, Olium rosae (Rose Oil), Orange Oil, Daucus carota, Prunus dulcis and Ocimum sanctum. Herbs such as aloe vera leaf, turmeric, banana, neem, papaya, cucumber and other plants are used as herbs in cosmetics. In the current exploration article, the polyherbal face cream is ready by utilizing following fixing that is concentrate of Curcuma longa, Solanum lycopersicum, Carica papaya, Daucus carota, rose oil, olive oil, almond oil, refined water. Solanum lycopersicum is utilized as an enemy of oxidant and forestalls the skin maturing. Olive oil moisturizes the skin, papaya nourishes the skin and curcumin acts as an antimicrobial agent. The skin maturing is essentially brought about by annihilation of collagen layer in skin which can be forestalled by utilizing almond oil. The pre-arranged polyherbal cream was assessed for the pH, spreadability, homogeneity, thickness, extrudability, invitro dissemination examines, color test, expulsion test, skin bothering and antimicrobial investigations. Among every one of the pre-arranged creams F2 and F3 is discovered to be best details as contrast with another. The total percent drug discharge from the pre-arranged polyherbal cream is discovered to be the 93%.

KEYWORDS: Curcuma longa, Carica papaya, Daucus carota.

INTRODUCTION
‘Cosmetics’ is derived from a Greek word ‘Cosmetics’ means to adorn. In olden days any material which was used for beautification and improvement of appearance was known as ‘Cosmetics’. 

‘Cosmetics is the age-old necessity of mankind. Smooth and graceful skin is indication of energy, yet an underlying protein called collagen is behind this faultless look. Collagen frames even layer under the skin and goes about as great cushioning that keeps skin rigid, yet graceful. Fine wrinkles begin to show up as we age. It is an inescapable piece of the normal maturing measure, however untimely maturing is result from abundance openness to the sun, tobacco smoke, and lack of hydration. The aging can be eased back down somewhat by appropriate defensive measure and the healthy skin. That necessity leads to the continuous modification and invention of lots of skin care cosmetic preparations. 

The aim of present study is to define and assess polyherbal cream containing the extract of Curcuma longa, Carica papaya, Solanum lycopersicum, carrot seed oil.

Solanum lycopersicum contains carotenoids, lycopene and β-carotene, natural antioxidant compounds such as: vitamin C, E. It works as excellent astringent & removes blackhead, remove tan, improves the fairness of skin.

Carica papaya shows the skin easing up properties that assist with clearing pigmentation and imperfections. Phytochemicals present in it help to promote fairness. Papaya is rich wellspring of vitamin C, A, & E, pantothenic acid.

Almond oil acts as a skin nourisher facilitating skin lightening.

It is used for flawless Skin for Deep Cleansing of Skin, to Remove the Dark Circles & Tan. To Reduce Fine Lines & Other Signs of Aging.

Olive oil contains, vitamin A, D, K and vitamin E. It acts as antioxidant. It moisturizes and fights bacteria. It diminishes your skin break out by dispensing with off the bacteria which causes skin break out and hydrate your skin.

Curcuma longa shows anti-inflammatory, antioxidant, antibacterial, antifungal, antiviral powerhouse, Antiaging Treatment .

Curcumin capable of preventing insults such as spots and wrinkles and Achieving good skin permeation.

Carrot seed Oil: - It is a natural moisturizing skin rejuvenator. It reduces the wrinkles and shows anti-aging property the most essential one being its ability to repair dry and damaged skin. It is normally high in nutrient A thus it offers many fixing, defensive. It is additionally superb for firming droopy skin and lighting up dull appearances.

Rose oil shows the antioxidant property that ward off free revolutionaries which empower skin harm and skin maturing. Rose essential oil use

MATERIAL AND METHODS

DRUG FORMULATION
Oil in water (o/w) emulsion-based cream were planned. The lycopene and curcumin extract and other oil solvent parts were dissolve in the oil stage and warmed to 75°C.
The papaya extract and other water-solvent parts were dissolving in water and warmed to 75°C. In the wake of warming, water stage was added gradually to the oil stage with the persistent blending unto cooling of emulsion occurred.

**OIL PHASE**

| Ingredients                      | F1  | F2  | F3  | F4  |
|----------------------------------|-----|-----|-----|-----|
| Curcuma longa extract(gm)        | 0.07| 0.27| 0.40| 0.13|
| Solanum lycopersicum extract     | 0.07| 0.27| 0.40| 0.13|
| (gm)                             |     |     |     |     |
| Cetosteryl alcohol(gm)           | 0.83| 1.50| 1.36| 0.54|
| White soft paraffin(gm)          | 1.67| 2.27| 2.12| 1.24|
| Almond oil(ml)                   | 0.55| 0.54| 1.09| 0.55|
| Olive oil(ml)                    | 0.55| 0.54| 1.09| 0.55|
| Rose oil(ml)                     | 2.18| 2.18| 2.18| 2.18|
| Carrot seed oil(ml)              | 0.6 | 0.9 | 1.2 | 0.8 |
| Stearic acid(gm)                 | 2.8 | 2.8 | 2.8 | 2.8 |

**WATER PHASE**

| Carica papaya(ml)                | 1.95| 1.56| 2.73| 3.12|
| Methyl paraben(gm)              | 0.001| 0.001| 0.001| 0.001|
| Distilled water(ml)             | Up to 20 gm | Up to 35 gm | Up to 35 gm | Up to 20 gm |

Table 1: -Formulation table of poly-herbal cream

**RESULT AND DISCUSSIONS**

**EVALUATION OF CREAM**

**Physical Properties of the Cream**

The Observed Cream after evaluation (F2 and F3) obtain with Yellowish white color along with pleasant odour of Rose, while, in case with F1 and F4 shows Yellowish color in appearance.

**pH of the Cream**

The pH was found in scope of 6.64 to 6.98 which is suitable for skin.

**Spreadability**

All the formulation of creams can spread on hands but along with F2 and F3 it shows better result and spread easily.

**Viscosity**

The detailing F2 and F3 show the best outcome as displayed beneath.

**Dilution Test**

It confirms that all the prepared cream is O/W type of emulsion cream.

**Homogeneity**

All prepared cream shows uniform conveyance of concentrates in cream.

**Irritation test**

All prepared formulation shows the no redness, irritation, edema, inflammation during irritation studies. All formulations are protected to use for the skin and definition F2 and F3 shows magnificent outcome.

**Type of Smear**

After the application, it was found that the formulation produced non-greasy film on the skin surface and F2, F3 gives an excellent result.

**After feel**

F1 and F4 shows less slipperiness in texture. While, F2 and F3 shows emollient, elusiveness and measure of build-up left after utilization of the fixed measure of cream base is found.

**Removal**

The formulations F2 along with formulation F3 applied on skin were easily removed by simply washing under tap water.

**In vitro release**

The drug from the formulation is discovered to be in the scope of 20-93%.

| Formulation Code | ZOI (cm) | Test organism |
|------------------|----------|---------------|
| Marketed formulation | Nil | Staphylococcus aureus |
| F1 | Nil | Staphylococcus aureus |
| F2 | Nil | Staphylococcus aureus |
| F3 | Nil | Staphylococcus aureus |
| F4 | Nil | Staphylococcus aureus |

Table 4: Zone of Inhibition of Prepared Poly-herbal Cream

| Formulation Code | pH | X1 | X2 | X3 |
|------------------|----|----|----|----|
| 0 | 6.7±1.18 | NCC | ** | E |
| 5 | 6.3±1.21 | NCC | ** | E |
| 10 | 6.5±1.53 | NCC | ** | E |
| 15 | 6.9±1.47 | NCC | ** | E |
| 20 | 6.5±2.13 | NCC | ** | E |

Table 5: Observations of Accelerated Stability Studies

Values are mean ± S.D. (n=3), X1= Appearance, X2= Spreadability, X3= After feel, **=Good, *=Satisfactory, E=Emollient, NCC= Not change in color.
CONCLUSION

From above conversation it is conclude that on joining the concentrates of curcuma longa, solanum lycoperisum, carica papaya, in various proportion to get multipurpose impact like brightening, antiwrinkle, antiaging and sunscreen impact on skin. As we mindful of productivity of concentrate from single plant is low yet basically what I recognized that by joining numerous concentrate we can help the proficiency for item. In such manner, we blended the concentrates of curcuma longa, solanum lycoperisum, carica papaya and carrot seed oil to improve too synergize the restorative properties of arranged items contrast with singular concentrates. From the above research we become acquainted with that F2 and F3 are steady and safer. The solanum lycoperisum and almond oil gives the sustenance to skin and works on the lighting up of the skin. Carrot seed oil decreases the wrinkles and shows hostile to maturing property.

Curcumin is fit for forestalling skin tumors and affronts, for example, spots like wrinkles. It gives reasonableness. Achieving great skin saturation. Carica help to advance decency. Olive oil saturates and hydrate your skin. By looking at all the above detailing what I distinguished that F2 and F3 are the awesome. The pre-arranged cream was utilized as an enemy of maturing reasonableness cream and cream would discovered to be clean, stable, and the fixings utilized were appropriate for the cream readiness.

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PR helps me during the literature survey. Helpfully, by having just one creator, there were no choices to make in regards to creator request or comparing initiation.
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