S.D.V.S Sangh's

S.S.Arts College & T.P.Science Institute

Sankeshwar – 591313

Tq : Hukkeri Dist : Belagavi (Karnataka)

Accredited at "B++" Level by NAAC

WOMEN EMPOWERMENT CELL

Organizes

Self Financed Certificate Course

In

CAKE MAKING

Under IQAC

2022-23

std : 1967 ☎: (08333)-273316 Fax : (08333) 274206

ಶ್ರೀ ದು.ವಿ.ಸಂ.ಸಂಘದ

ಶ್ರೀ ಶಿವರುದ್ರೇಶ್ವರ ಕಲಾ ಹಾಗೂ ಪಟ್ಟಣ
ಪಂಚಾಯತ ವಿಜ್ಞಾನ ಮಹಾವಿದ್ಯಾಲಯ,
ಸಂಕೇಶ್ವರ.-591 313

ತಾ: ಹುಕ್ಕೇರಿ ಜಿ. ಬೆಳಗಾವಿ (ಕರ್ನಾಟಕ)

S.D.V.S. SANGH'S

S. S. ARTS COLLEGE & T. P.
SCIENCE INSTITUTE,
SANKESHWAR- 591 313

Tal.: Hukkeri Dist.: Belagavi (Karnataka State)

Accredited at B++ Level by NAAC

E-Mail-aascskv@rediffmail.com www.sstpsnk.edu.in

ef No._____ Date :28/6/2023

SELF FINANCED CERTIFIVCATE COURSE
IN
CAKE MAKING

Women Empowerment Cell organizes self financed certificate course for B.A & B.Sc students in Cake Making. The following members are selected as BOS members.

1) Shri.P.B.Burji - Chiarman
Principal,
SSTP College,Sankeshwar.

2) Dr.P.V.Gadavi - Coordinator
Chairman,
Women Empowerment cell
SSTP College, Sankeshwar.

3) Mrs.M.R.Kotagi - Member
Resource person
Hukkeri

4) Dr.V.D.Naganuri - Member
Assistant Professor of Kannada
SSTP College,Sankeshwar

5) Mrs.Swati Khot - Member
Lecturer of Hindi
SSTP College,Sankeshwar

6) Mrs.Shama Nadaf - Member
Lecturer of Mathematics
SSTP College,Sankeshwar

PRINCIPAL
S.S.Arts College & T.P.Science Institute
SANKESHWAR
Principal

Estd : 1967

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S. S. ARTS COLLEGE & T. P. SCIENCE INSTITUTE, SANKESHWAR- 591 313

ತಾ: ಹುಕ್ಕೇರಿ ಜಿ. ಬೆಳಗಾವಿ (ಕರ್ನಾಟಕ)

Tal.: Hukkeri Dist.: Belagavi (Karnataka State)

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E-Mail-aascskv@rediffmail.com

www.sstpsnk.edu.in

Ref No._____

Date : 30/6/2023

Meeting Notice

Time: 3.300pm

All the BOS members are here by requested attend the meeting on 01/07/2023 in the principal chamber to discuss about the self financed certificate course.

1) Shri.P.B.Burji
Principal,
SSTP College,Sankeshwar. - Chiarman

2) Dr.P.V.Gadavi
Chairman,
Women Empowerment cell
SSTP College, Sankeshwar. - Coordinator

3) Mrs.M.R.Kotagi
Resource person
Hukkeri - Member

4) Dr.V.D.Naganuri
Assistant Professor of Kannada
SSTP College,Sankeshwar - Member

5) Mrs.Swati Khot
Lecturer of Hindi
SSTP College,Sankeshwar - Member

6) Mrs.Shama Nadaf
Lecturer of Mathematics
SSTP College,Sankeshwar - Member

PRINCIPAL
Principal
S.S.Arts College & T.P Science Institute
SANKESHWAR

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CERTIFICATE COURSE IN CAKE MAKING

Date : 30/6/23

Agenda

1. Basic information about Cake Making.
2. Student batch preparations
3. Framing the syllabus
4. Students attendance
5. Distribution of the work among the staff

Resolution

1. The registered students are asked to bring the writing materials required to note down the process and important materials needed to make cakes.

2. **Dr.P.V.Gadavi and Dr.V.D.Naganuri** framed the syllabus for the above-mentioned course.

3. It is resolved that the student attendance is made compulsory. The staff incharge Mrs. Swati Khot to take attendance every day and absentees are reported.

Principal

PRINCIPAL
S.S.Arts College & T.P Science Institute
SANKESHWAR

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S.S.Arts College & T.P. Science Institute,
Sankeshwar – 591313. Dist. Belgaum(Karnataka)
Accredited at "B++" Level by NAAC
E-Mail-aascskv@rediffmail.com www.sstpsnk.edu.in

Date : 01/07/2023

WOMEN EMPOWERMENT CELL

Notice

It is here by informed that Women Empowerment Cell organizes 30 Hours Certificate Course in Cake Making for the B.A. and B.Sc Students. Course commences from 04/07/2023.

Interested students can enroll their names to Mrs.Shama Nadaf, Department of Mathematics, on or before 01/07/2023.

Chairman
Women Empowerment Cell

Principal
PRINCIPAL
S.S.Arts College & T.P Science Institute
SANKESHWAR

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ತಾ: ಹುಕ್ಕೇರಿ ಜಿ. ಬೆಳಗಾವಿ (ಕರ್ನಾಟಕ)

S.D.V.S. SANGH'S

S. S. ARTS COLLEGE & T. P. SCIENCE INSTITUTE, SANKESHWAR- 591 313

Tal.: Hukkeri Dist.: Belagavi (Karnataka State)

Accredited at B++ Level by NAAC

E-Mail-aascskv@rediffmail.com www.sstpsnk.edu.in

Ref No._____ Date :03/09/2023

Women Empowerment Cell - 2023

Certificate course in Cake Making

Syllabus

Theory — 05 hours

1. Introduction to basics of cake making.
2. Introduction to vessels molds and equipment required for cake making.
3. Different types of cakes.
4. Various methods to make a design.
5. Preservation and care of cakes.

Practical — 25 hours

1. Tools and materials used for cake making
   - 1.1. Selection, use and maintenance of tools and equipment for cake making.
   - 1.2. Various vessels, molds and equipments used in cake making.
   - 1.3. Accessories used in making a cake.
   - 1.4. Various types of molds and equipment temperature with its impact on quality Parameters.
2. Various methods to make a cake.
3. Preservation and care of cakes.

Chairman
Women Empowerment Cell

PRINCIPAL
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Content of Syllabus

1. Black Forest Cake
2. Cheesecake
3. Chocolate Cake
4. Ice Cream Cake
5. Carrot Cake
6. Pineapple Cake
7. Red Velvet Cake
8. Sponge Cake
9. White Forest Cake
10. Slice Cake
11. Butterscotch Cake
12. Strawberry Cake
13. Rose Cake
14. Plum Cake
15. Milk Cake

Chairman

Women Empowerment Cell

PRINCIPAL
S.S.Arts College & T.P Science Institute
SANKESHWAR

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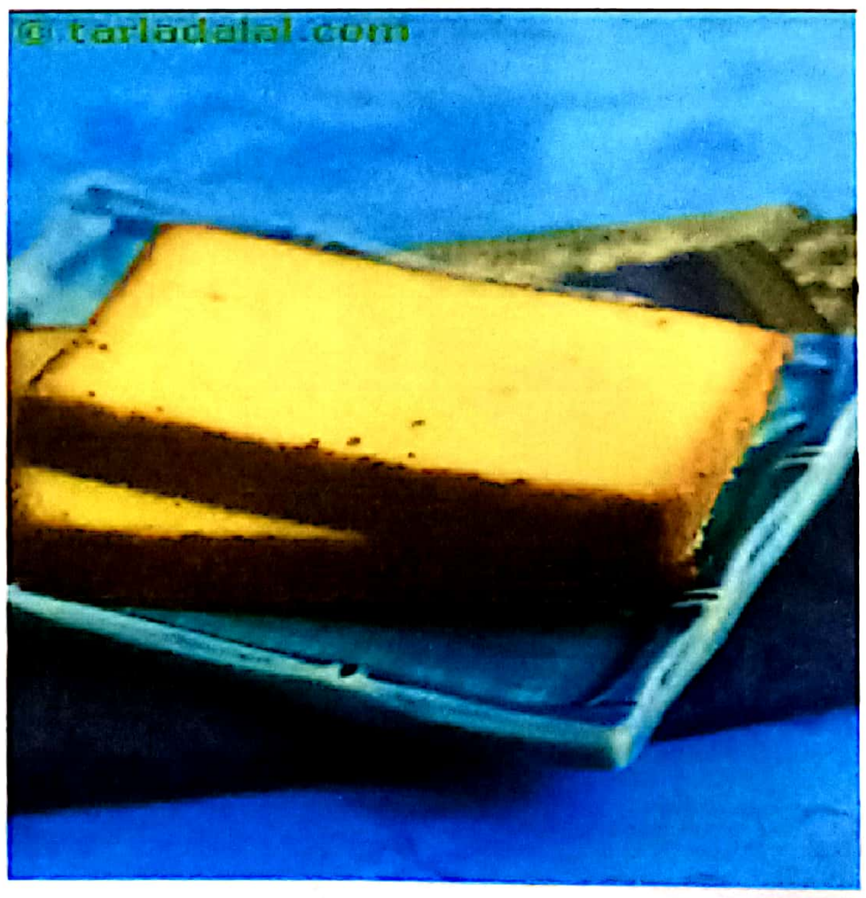
WHITE FOREST CAKE

White forest cake is a rich and creamy dessert that is typically made with layers of moist white cake, whipped cream, and cherries. It is similar to the traditional black forest cake, which features layers of chocolate cake, whipped cream, and cherries. White forest cake is made with moist white cake, vanilla whipped frosting and white chocolate ganache.

SLICE CAKE

A slice cake refers to simple slices of different flavors of cakes. They are small square-shaped slices, which are packed and have a longer shelf life as compared to regular cakes. Sliced cakes are readily available in the market, in variants that include Fruit, Butter Sponge, Chocolate, Pineapple, Milk, Vanilla-Chocolate, Orange, etc.



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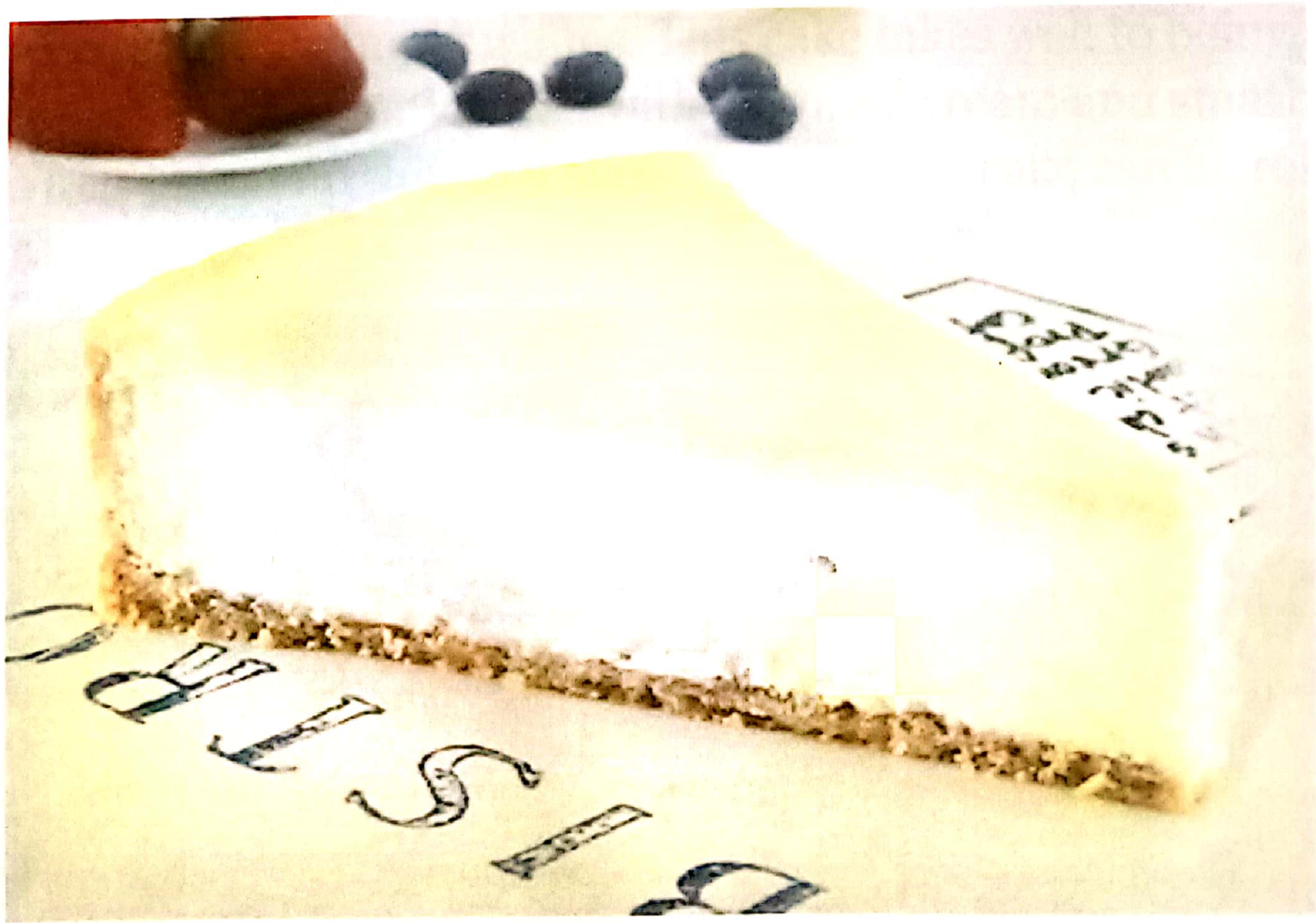
BLACK FOREST CAKE

Made with multiple layers of chocolate sponge cake, freshly whipped cream, and cherries, it has garnered popularity especially because of its subtle taste. For those who like the flavour of chocolate, but don't want an overdose of it, this cake is an ideal choice. The chocolate shavings on top used as garnish make the black forest cake easily identifiable.

CHEESECAKE

Cheesecakes primarily consist of a thick creamy layer made of fresh cheese, eggs and sugar. This layer rests on top of a thin crust made of crushed cookies or sponge cake.



RED VELVET CAKE

Red velvet cake intrigues most people because of its unique red colour. Ever wondered whether it's just a chocolate cake with red colour added to it? You're not alone. Not a lot of people know how it is made. Traditionally, red velvet cake is made with cocoa powder, buttermilk and vinegar. The chemical reaction between the ingredients is said to bring out the red tint in the cocoa powder. Red food colouring is also sometimes added to give a bright red colour. Red velvet cakes have cream cheese frosting on top and are very delicate and moist!

SPONGE CAKE

This is a foam-style cake that has no artificial leaveners (baking powder or baking soda). It gets its volume solely from whipped eggs—either whole eggs or simply whites. This cake takes well to being soaked in a flavoured syrup or layered with whipped cream and smashed berries. When baked up thin in a sheet pan, sponge cake can be rolled with fillings.

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CARROT CAKE

Carrot cakes are prepared by mixing shredded carrots in a cake batter. To add extra layers of flavour, brown sugar, cinnamon, walnuts or nutmeg, or a different combination of them are used often. The result? A sweet, moist, velvety delight with a tinge of spiciness from the cinnamon. The cream cheese frosting on top makes for a smoother texture.

PINEAPPLE CAKE

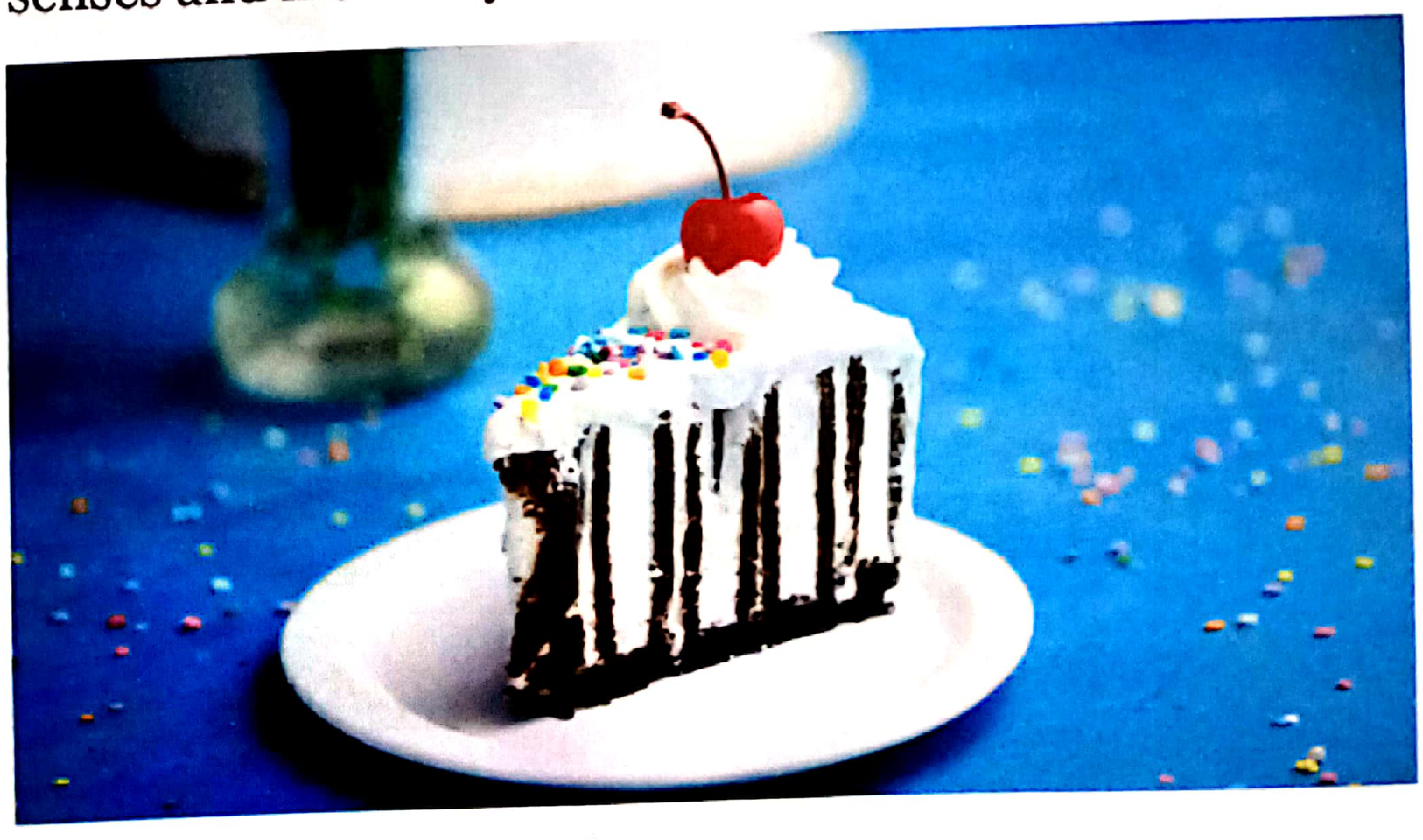
Pineapple added to anything will only make it better! Whether it belongs on pizza is a debate for another time, but pineapple most definitely belongs in cakes. There are no two ways about it. Pineapple cake is soft, moist, juicy, and one of the easiest kinds of cakes to make. It consists of layers of pineapple, sponge cake, and whipped cream or cheese icing.

CHOCOLATE CAKE

It is the most popular type of birthday cake, enjoyed by kids and grown-ups alike. Chocolate cake is something you can never go wrong with, and it's a crowd-pleaser. You can find a lot of variations in chocolate cakes that are available in shops. Some are purely dark chocolate cakes, while some are also paired with mint or coconut to add a bite of goodness.

ICE CREAM CAKE

A fusion of two universally favourite desserts in one- what's not to love? For the unversed, an ice cream cake is exactly what you are thinking it is- a cake filled with ice cream layers. There are several layers of ice cream with sponge cake or cookie crumble between them. It overloads your senses and melts in your mouth!



BUTTERCOTCH CAKE

Butterscotch Cake is a moist, from-scratch brown sugar cake topped with butterscotch buttercream made with melted butterscotch chips.

STRAWBERRY CAKE

Strawberry cake is a delicious dessert that is perfect for summer. It is made with fresh strawberries and has a beautiful pink colour.

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ROSE CAKE

Rose Cake tastes like rose bushes blooming in the spring. It's filled with my Raspberry filling and topped with sweet tangy raspberry buttercream making this cake super light, soft, and overall beautiful.

PLUM CAKE

The beautiful blend of fluffy cake, cocoa, and your favourite dry fruits or fresh fruits in their best form. Plum cakes are loved by everyone. It is the best choice for a light and healthy dessert after a heavy meal. Plum cakes are traditionally used as a festive cake during special occasions.

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MILK CAKE

Milk cake is a type of dessert that is made with milk and sugar. It is a popular dessert in many countries around the world. There are many different recipes for milk cake, but most of them involve cooking milk and sugar together until it thickens and forms a sweet, creamy mixture.

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CERTIFICATE COURSE IN CAKING MAKING

COURSE OUTCOMES

1. Students will be able to earn while they learn.

2. Students will be able to start their own ventures in the future.

3. Students will be able to teach others about cake making.

4. Students developed skills such as teamwork, patience, problem solving, creativity and time management.

5. Students will be capable of handling different tools, molds and equipment needed for baking as well as basic cooking.

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WOMEN EMPOWERMENT CELL

CERTIFICATE COURSE IN CAKE MAKING

Attendance list (Theory/Practical) Per Day 2 Hours				4/7	5/7/23	6/7	7/7	8/7	10/7	11/7	12/7	13/7	14/7	15/7	17/7	18/7	19/7	20/7	
Sl.no	Reg.No.	Name	Class	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Signature
1	U15CH22A0133	Shweta B. Kamble	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
2	U15CH22A0132	Ranjita M. Kamble	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
3	U15CH22A0065	Srushti S. Gudimani	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
4	U15CH22A0069	Bhumika S. Patil	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	S.P.Totagi
5	U15CH22A0098	Sudharani P. Totagi	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
6	U15CH22A0080	Mahek Kalawant	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
7	U15CH22A0078	Mushabbarin Kadalgi	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
8	U15CH22A0157	Ziya M. Bagalkoti	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	S.S. Ajarekar
9	U15CH22A0060	Swati S. Ajarekar	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
10	U15CH22A0099	Doddavva S. Shivapuri	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	V.S.M
11	U15CH22A0039	Vidya S. Marayai	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	J.R.Rokade
12	U15CH22A0071	Jyoti Rokade	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
13	U15CH22A0149	Pratiksha Sagar	BA II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	R.C.Amate
14	U15CH21A0043	Radhika C. Amate	BA IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	S.B.Shettennavar
15	U15CH21A0072	Sandhyashri B. Shettennavar	BA IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	V.R.Kamble
16	U15CH21A0101	Vaishali R. Kamble	BA IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	

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Sl.no	Reg.No.	Name	Class	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Signature
17	U15CH21A0031	Madhushri K. Patil	BA IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	M.K. Patil
18	U15CH21A0049	Ruchita R. Shiraguppi	BA IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	R.R. Shiraguppi
19	U15CH21A0082	Shireen I Sayyad	BA IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	S.I. Sayyad.
20	A2034466	Samreem M. Mulla	BA VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	S.M.
21	A2034413	Ashwini Rachannavar	BA VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
22	A2034423	Gayatri U. Gurav	BA VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
23	A2034453	K .B. Pradeep	BA VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
24	A2034489	Vasu R. K	BA VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
25	A2034438	Yusuf Boragavi	BA VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
26	U15CH22S0005	Laxmi G. Sulakude	BSc II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
27	U15CH22S0015	Soujanya N. Goravagol	BSc II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
28	U15CH22S0012	Pooja P Hiremath	BSc II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
29	U15CH22S0025	Savitri S. Kumbar	BSc II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
30	U15CH22S0009	Pushpa S. Hospeti	BSc II	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
31	U15CH21S0062	Mahalaxmi B. Daddi	BSc IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	

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CERTIFICATE COURSE IN CAKE MAKING

Attendance list (Theory/Practical) Per Day 2 Hours																		
Sl.no	**Reg.No.**	**Name**	**Class**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**Signature**
32	U15CH21S0075	Sartaj Inamdar	BSc IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
33	U15CH21S0097	Amruta A. Patil	BSc IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
34	U15CH21S0056	Shilpa M. Bisirotti	BSc IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
35	U15CH21S0053	Veena V. Halasi	BSc IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
36	U15CH21S0102	Ankita A. Magadum	BSc IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
37	U15CH21S0088	Pratiksha R. Magadum	BSc IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
38	U15CH21S0081	Pankaja Jain	BSc IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
39	U15CH21S0059	Laxmi R. Munnoli	BSc IV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
40	S2022504	Priyanka R. Badiger	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
41	S2022540	Sneha Jakate	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
42	S2022453	Jyoti Patil	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
43	S2022441	Ekata Masane	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
44	S2022485	Neha Matapati	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
45	S2022516	Sapana Basapagol	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
46	S2022543	Snehal Mane	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
47	S2022433	Bhagyashree J. Desai	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	

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WOMEN EMPOWERMENT CELL

CERTIFICATE COURSE IN CAKE MAKING

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Sl.no	Reg.No.	Name	Class	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Signature
48	S2022548	Sulochana R. Patil	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
49	S2022552	Sushma S. Hebbali	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
50	S2022560	Veena Muchandi	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
51	S2022529	Shivani S. Davarkatti	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
52	S2022438	Daneshwari R. Ghatigennavar	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
53	S2022484	Namrata G. Hiremath	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
54	S2022437	Bharati S. Kurbet	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
55	S2022554	Swati J. Munnoli	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
56	S2022492	Pooja K. Goudadi	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
57	S2022451	Hurrain M. Mujawar	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
58	S2022482	Mehak H. Makandar	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
59	S2022483	Mrutyunjayya V. Viraktamath	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
60	S2022408	Akash P. Goturi	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
61	S2022436	Bharatesh Magadum	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
62	S2022530	Shivaprabhu M. Nandihalli	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	

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WOMEN EMPOWERMENT CELL

CERTIFICATE COURSE IN CAKE MAKING

Attendance list (Theory/Practical) Per Day 2 Hours																		
Sl.no	Reg.No.	Name	Class	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Signature
63	S2022564	Vinaykumar A. Kumbar	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
64	S2022556	Vaibhav S. Shravane	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
65	S2022563	Vinayak D.Chopade	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
66	S2022551	Surabhi Nadig	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
67	S2022467	Laxmi R. Nerali	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
68	S2022466	Laxmi M. Madar	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
69	S2022452	Jyoti Kilargi	BSc VI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
70	U15CH22A0066	Sampata Varadannavar	BAII	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
71	U15CH21S0037	Kavari Chougale	BSCIV	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	

Chairman
Women Empowerment Cell

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S.S.Arts College & T.P Science Institute
SANKESHWAR

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GPS Map Camera
Sankeshwar, Karnataka, India

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Sankeshwar, Karnataka, India
Old, PB Rd, Sankeshwar, Karnataka 591313
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GPS Map Cam
Sankeshwar, Karnataka, India
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Karnataka 591313, India
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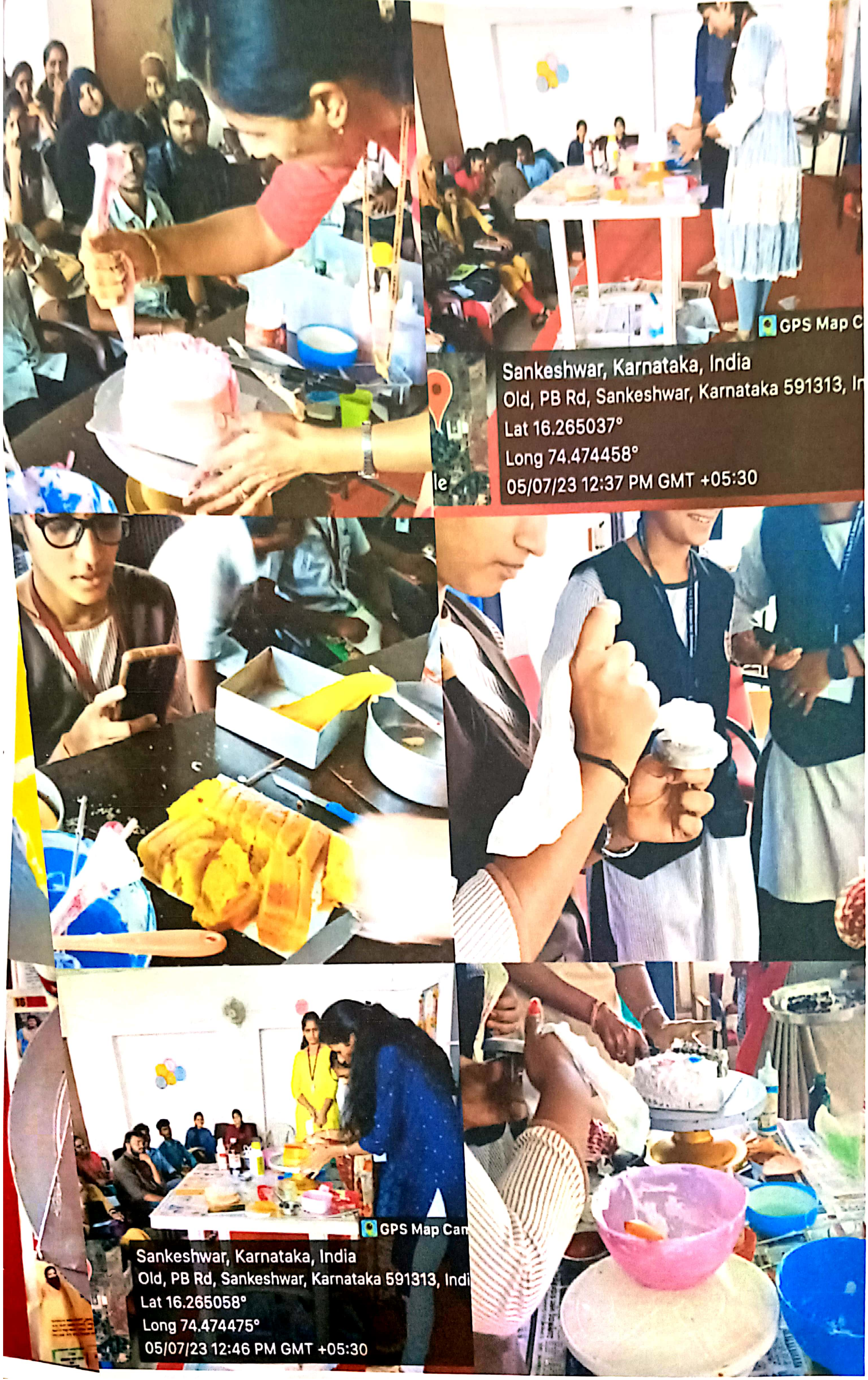

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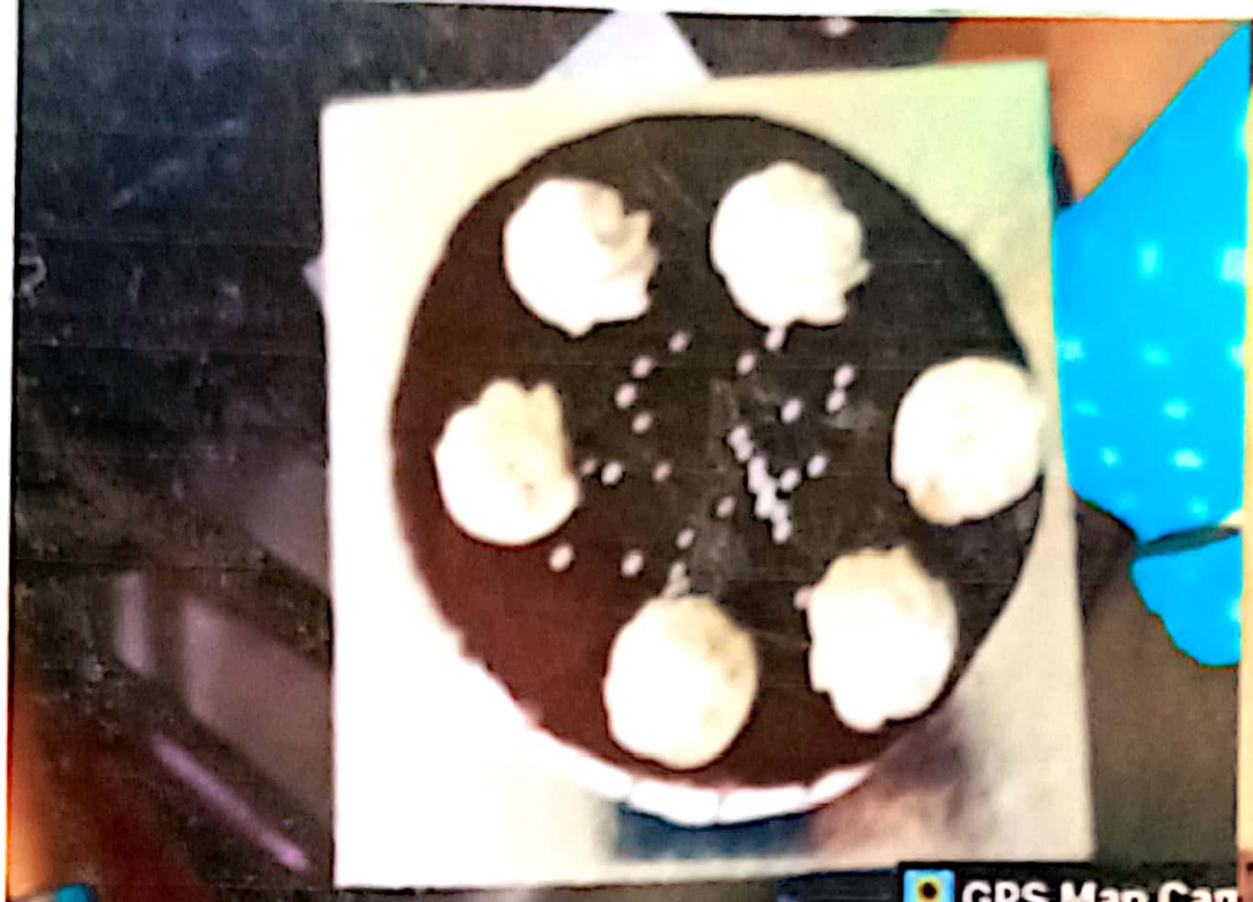
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Long 74.474467°
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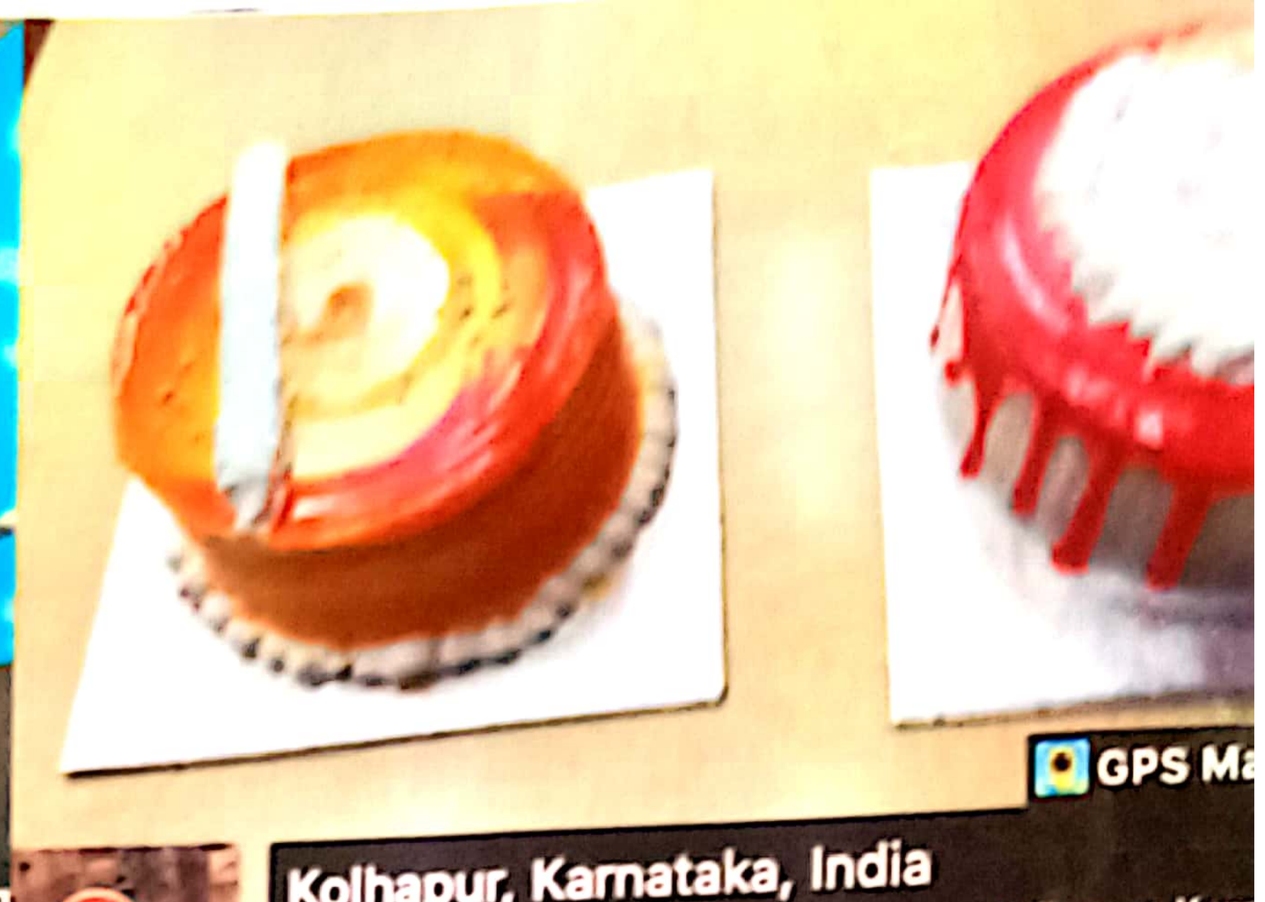
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Dept.

S.D.V.S. Sangh's

S. S. Arts College & T. P. Science Institute,

Sankeshwar

Taluk- Hukkeri **District- Belagavi**

Accredited at "B^{++}" Level by NAAC

DEPARTMENT OF CHEMISTRY

In association with

PLACEMENT CELL

Self financed certificate course

On

SOAP MAKING, DETERGENT AND CANDLE PREPARATION

Under MoU with JSS College, Gokak

2023-24

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S. S. Arts College and T. P. Science Institute, Sankeshwar

DEPARTMENT OF CHEMISTRY

In association with

PLACEMENT CELL

Self-financed Certificate course on Soap making and Detergent preparation

Academic Year: 2023-24

No. of Hours: 30 Hours

Course Coordinator: Dr. Vijayalakshmi A. Edalli.

Medium of course: English/ Kannada

Assessment/ Evaluation process: MCQ/Objective/ Short answer type exam

Course Description: This certificate course is designed to provide students with a comprehensive understanding of the principles and techniques involved in the preparation of soaps and detergents. The course will cover the chemical processes, raw materials, practical skills required to prepare soaps and detergents. Students will gain hands on training and necessary knowledge to engage in small scale soap and detergent production.

Course objectives

1. To understand basic concepts and techniques of soaps and detergents preparation.
2. Understanding importance of oils and fats in preparation of soaps and their sources.
3. Understand the importance of sustainability and quality control in manufacturing and analysis.
4. To study the chemistry behind the preparation of soaps and detergents and their action.

Course outcome

1. Skill development for detergent and soap making.
2. Students develop the knowledge of preparation and action of soaps and detergents.
3. To develop the entrepreneurship among the students.
4. An analytical and practical based technical skill to "Earn while learning".

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S.D.V.S. SANGH'S

S. S. ARTS COLLEGE & T. P. SCIENCE INSTITUTE,

Tal.: Hukkeri **SANKESHWAR- 591 313** Dist.: Belagavi (Karnataka State)

Accredited at B++ Level by NAAC

Website : www.sstpsnk.edu.in ☎: (08333)-295238 E-Mail-aascskv@rediffmail.com

Ref No._____ Date : 10-05-2023

Certificate Course

The Department of Chemistry, in association with Placement Cell, SSTP College, Sankeshwar, organizes certificate course in **"Soap Making and Detergent Preparation"** for BA and BSc students.

The following faculties are selected as BOS members:

Sl. No.	Name	Designation	Signature
1.	**Shri P. B. Burji** Principal, SSTP College, Sankeshwar.	Chairman	
2.	**Dr. Vijayalakshmi A. Edalli** Assistant Professor and HOD, Chemistry, SSTP College, Sankeshwar	Coordinator	
3.	**Shri M. R. Patil** Assistant Professor and HOD, Physics, SSTP College, Sankeshwar	Member/ IQAC Coordinator	
4.	**Dr. Honnur Krishna** Assistant Professor in Chemistry, SSTP College, Sankeshwar	Member/Chairman Placement Cell	
5.	**Miss Anusuya Mahalinpur** Assistant Professor in Chemistry (Guest Faculty), SSTP College, Sankeshwar	Member	
6.	**Miss Shivani Sutar** Assistant Professor in Chemistry (Guest Faculty), SSTP College, Sankeshwar	Member	

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Self Financed Certificate Course

Date: 11.05.2023.

Agenda

1. Course on Soap making and Detergent preparation
2. Framing the syllabus and duration of course
3. Students enrollment
4. Appointment of the staff and work distribution

Proceedings of the meeting

The course coordinator welcomed all the members of the meeting,

The following points were discussed –

1. It was decided to conduct certificate course on Soap making and Detergent preparation for one semester and duration of the course will be 30 hours which includes both theory (10 hours) and practical (20 hours) classes.
2. The syllabus was finalized with lot of discussion.
3. The course has been organized with the following objectives
   - To train the students to start
   - To formulate innovative chemical products which are used in everyday life.
   - To promote "make in India Concept".
   - To develop entrepreneurial mind set among students.
4. The classes will be conducted by the internal staff and few classes by external expert.
5. It is resolved that the student attendance is made compulsory. The staff incharge asked to take attendance every day and absentees are reported.

Members of the BOS attended the meeting-

1. Shri P. B. Burji - Chairman
2. Dr. Vijayalakshmi A. Edalli- Coordinator
3. Shri M. R. Patil - Member
4. Dr. Honnur Krishna - Member
5. Miss A. C. Mahalingpur - Member
6. Miss Shivani Sutar - Member

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Outline of Curriculum and Test

Proposed Curricular of Certificate Course in **"Soap Making and Detergent Preparation"** during the academic year 2023-24 for BA and BSc students.

Outline of course structure

Paper	Title of the paper	Teaching hours/course	Duration of Exam	Marks
Theory	Soap making and Detergent preparation	10	1 hour	20
Practical	Soap making and Detergent preparation	20	2 hour	30
			Total marks	**50**

Certificate course on

"Soap making and Detergent preparation"

Syllabus

Theory: 10 hours

Unit-1:	**Introduction to oils and fats:** structure and sources of oils and fats, Saponification and Saponification value of oils and fats.	2 hours
Unit-2	**Manufacture of soaps:** Introduction to soaps, raw materials used and their selection, principles of soap making and chemistry of soap, methods of soap making- cold process, melt and pour process, industrial process.	3 hours
Unit-3	**Detergents:** Types of detergents, classification of detergents- anionic, cationic, nonionic, amphoteric, biodegradability, formulation, manufacturing process, anionic surfactants, non-ionic surfactants, builders addition of colors, perfumes, preservatives used in detergent preparation, different brands of detergents in India.	4 hours
Unit-4	**Packaging and safety:** Packaging of soaps and detergents, safety, pollution and effluents.	1 hours

Practical's: 20 hours

Sl. No.	Practical's	No. of hours
1	Introduction to the raw materials, molds used and safety measures	4
2	Determination of Saponification value of oils	4
3	Preparation of soaps by cold process	4
4	Preparation of soaps by melt and pour method	4
5	Preparation of detergents	4

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DEPARTMENT OF CHEMISTRY

In association with

PLACEMENT CELL

Self-financed Certificate course on Soap making and Detergent preparation

STUDENTS ENROLLED FOR THE COURSE

SL. NO.	REGISTER NUMBER	NAME OF THE STUDENT	CLASS
1	U15CH21S0002	DEEPA M DESAI	BSc VI Semester
2	U15CH21S0005	GANGA R PATIL	BSc VI Semester
3	U15CH21S0006	SHILPA S SHEKHANAVAR	BSc VI Semester
4	U15CH21S0010	ASHWINI P MADIG	BSc VI Semester
5	U15CH21S0011	BASAVARAJ VINOD GHABE	BSc VI Semester
6	U15CH21S0021	GANGADHAR SUBHAS NAIK	BSc VI Semester
7	U15CH21S0025	JAYALAXMI S KAKOLI	BSc VI Semester
8	U15CH21S0026	SOUMYA AVINASH PATIL	BSc VI Semester
9	U15CH21S0029	SHWETA S MUGALI	BSc VI Semester
10	U15CH21S0035	SUTEERTHA S HOLEPPAGOL	BSc VI Semester
11	U15CH21S0037	KAVERI N CHOUGALA	BSc VI Semester
12	U15CH21S0039	SUSHMEETA MADANNAVAR	BSc VI Semester
13	U15CH21S0041	SUDHA KADAPPA TODAL	BSc VI Semester
14	U15CH21S0043	SHRUTI SAGAR MUNNOLI	BSc VI Semester
15	U15CH21S0046	PRASHANT S BEDAKIHAL	BSc VI Semester
16	U15CH21S0047	YASH SUNIL MAHAJAN	BSc VI Semester
17	U15CH21S0048	SUPRIT S MYAGADEYAWAR	BSc VI Semester
18	U15CH21S0055	SARSWATI R KAMBLE	BSc VI Semester
19	U15CH21S0058	SUSHMITA S CHOUGALA	BSc VI Semester

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20	U15CH21S0059	LAXMI R MUNNOLI	BSc VI Semester
21	U15CH21S0062	MAHALAXMI B DADDI	BSc VI Semester
22	U15CH21S0063	SHWETA S INAMDAR	BSc VI Semester
23	U15CH21S0069	VIDYASHREE CHOPADE	BSc VI Semester
24	U15CH21S0070	NASTAHEEN M ATHANI	BSc VI Semester
25	U15CH21S0075	SARATAJABI J INAMADAR	BSc VI Semester
26	U15CH21S0077	SAHANA DIWAKAR	BSc VI Semester
27	U15CH21S0078	SRUSTI B PATIL	BSc VI Semester
28	U15CH21S0081	PANKAJA SURESH JAIN	BSc VI Semester
29	U15CH21S0084	SACHIN SANJU JINARALI	BSc VI Semester
30	U15CH21S0088	PRATIKSHA R MAGADUM	BSc VI Semester
31	U15CH21S0100	ANUSUYA B KHANAPURI	BSc VI Semester
32	U15CH21S0102	ANKITA ARJUN MAGADUM	BSc VI Semester
33	U15CH21S0103	SHIVARANJINI BASALIGUNDI	BSc VI Semester
34	U15CH21S0104	VIDYARANI PATIL	BSc VI Semester
35	U15CH21S0020	SAKSHI KOKATNUR	BSc VI Semester
36	U15CH21S0028	PREMA KONKERI	BSc VI Semester
37	U15CH21S0057	OMKAR PRAKASH BHOVI	BSc VI Semester
38	U15CH21S0084	SACHIN JINARALI	BSc VI Semester

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Self-financed Certificate course on Soap making and Detergent preparation

Test

Name of the student:

Register Number and Class: **Total Marks-20**

Answer all the questions:

1. **What is the primary raw material used in the saponification process for soap making?**

A) Glycerol B) Fat or oil C) Water D) Lye

2. **Which of the following is a common alkali used in the saponification process?**

A) Sodium bicarbonate B) Potassium hydroxide

C) Calcium carbonate D) Magnesium sulfate

3. **What type of soap is produced when using animal fats in the saponification process?**

A) Glycerin soap B) Herbal soap C) Castile soap D) Tallow soap

4. **Which of the following ingredients is commonly added to enhance the fragrance of herbal soaps?**

A) Essential oils B) Vinegar C) Sodium chloride D) Glycerin

5. **What is the role of glycerin in soap making?**

A) To act as a preservative B) To increase lather

C) To retain moisture D) To alter the pH

6. **Which of the following is a common synthetic detergent?**

A) Castile soap B) Sodium lauryl sulfate C) Olive oil soap D) Coconut oil soap

7. **What is the primary difference between soap and synthetic detergents?**

A) Detergents are more biodegradable. B) Soaps are made from animal fats only.

C) Detergents can work in hard water. D) Soaps cannot be scented.

8. **Which process involves the hydrolysis of fats or oils in an alkaline solution?**

A) Esterification B) Saponification C) Emulsification D) Fermentation

9. **What is the purpose of adding a colorant to herbal soaps?**

A) To enhance cleansing properties B) To provide aesthetic appeal

C) To alter the texture D) To improve lather

10. **Which plant is commonly used for its antimicrobial properties in herbal soap?**

A) Aloe vera B) Lavender C) Tea tree D) Chamomile

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11. **Which of the following is NOT a characteristic of herbal soaps?**

A) They are often biodegradable. B) They usually contain synthetic fragrances.

C) They can be gentle on the skin. D) They may include natural colorants.

12. **What type of detergent is typically used for laundry purposes?**

A) Dishwashing detergent B) Hand soap

C) Laundry detergent D) Shampoo

13. **Which method is used to prepare liquid soap?**

A) Cold process B) Hot process C) Melt and pour D) Saponification in solution

14. **What is the byproduct of the saponification reaction?**

A) Alcohol B) Glycerin C) Esters D) Acids

15. **Which of the following is an advantage of using herbal soaps?**

A) Higher cost B) Potential for skin irritation C) Use of synthetic additives

D) Natural ingredients

16. **What type of fatty acid is commonly found in coconut oil, making it ideal for soap making?**

A) Oleic acid B) Stearic acid C) Lauric acid D) Palmitic acid

17. **Which of the following processes can be used to make a herbal soap with exfoliating properties?**

A) Adding glycerin B) Incorporating oatmeal

C) Using distilled water D) Increasing the lye content

18. **What is a key environmental concern associated with synthetic detergents?**

A) They are too effective at cleaning. B) They can contribute to water pollution.

C) They are too cheap to produce. D) They contain too many natural ingredients.

19. **Which emulsifier is often used in the preparation of herbal soaps?**

A) Sodium stearate B) Glycerol monostearate

C) Lecithin D) Sodium lauryl sulfate

20. **Which characteristic makes palm oil a popular choice for soap making?**

A) High cost B) Produces a soft soap

C) Creates a hard, long-lasting bar D) Limited availability

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DEPARTMENT OF CHEMISTRY
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Self-financed Certificate course on Soap making and Detergent preparation

Result

SL. NO.	REGISTER NUMBER	NAME OF THE STUDENT	Theory	Practical	Total
1	U15CH21S0002	DEEPA M DESAI	18	28	46
2	U15CH21S0005	GANGA R PATIL	15	26	41
3	U15CH21S0006	SHILPA S SHEKHANAVAR	18	27	45
4	U15CH21S0010	ASHWINI P MADIG	19	28	47
5	U15CH21S0011	BASAVARAJ VINOD GHABE	19	28	47
6	U15CH21S0021	GANGADHAR SUBHAS NAIK	17	26	43
7	U15CH21S0025	JAYALAXMI S KAKOLI	20	30	50
8	U15CH21S0026	SOUMYA AVINASH PATIL	16	25	41
9	U15CH21S0029	SHWETA S MUGALI	20	30	50
10	U15CH21S0035	SUTEERTHA S HOLEPPAGOL	19	30	49
11	U15CH21S0037	KAVERI N CHOUGALA	18	25	43
12	U15CH21S0039	SUSHMEETA MADANNAVAR	19	28	47
13	U15CH21S0041	SUDHA KADAPPA TODAL	20	30	50
14	U15CH21S0043	SHRUTI SAGAR MUNNOLI	20	30	50
15	U15CH21S0046	PRASHANT S BEDAKIHAL	15	25	40
16	U15CH21S0047	YASH SUNIL MAHAJAN	17	25	42
17	U15CH21S0048	SUPRIT S MYAGADEYAWAR	15	26	41
18	U15CH21S0055	SARSWATI R KAMBLE	15	25	40
19	U15CH21S0058	SUSHMITA S CHOUGALA	18	28	46

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20	U15CH21S0059	LAXMI R MUNNOLI	20	30	50
21	U15CH21S0062	MAHALAXMI B DADDI	20	30	50
22	U15CH21S0063	SHWETA S INAMDAR	20	30	50
23	U15CH21S0069	VIDYASHREE CHOPADE	20	30	50
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29	U15CH21S0084	SACHIN SANJU JINARALI	16	25	41
30	U15CH21S0088	PRATIKSHA R MAGADUM	16	26	42
31	U15CH21S0100	ANUSUYA B KHANAPURI	19	30	49
32	U15CH21S0102	ANKITA ARJUN MAGADUM	18	28	46
33	U15CH21S0103	SHIVARANJINI BASALIGUNDI	18	28	46
34	U15CH21S0104	VIDYARANI PATIL	20	30	50
35	U15CH21S0020	SAKSHI KOKATNUR	18	27	45
36	U15CH21S0028	PREMA KONKERI	17	27	44
37	U15CH21S0057	OMKAR PRAKASH BHOVI	16	26	42
38	U15CH21S0084	SACHIN JINARALI	15	26	41

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DEPARTMENT OF CHEMISTRY

In association with

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Self-financed Certificate course on Soap making and Detergent preparation

Student's feedback for the academic year 2023-24

Sl. No.	Feedback on	Excellent	Good	Satisfactory	Poor
1.	The course exposes you to new knowledge and experience				
2	Skill based activities increased my level of learning				
3.	Course had good mixture of theory and practical				
4	The content of the course was clear and easy to understand				
5	Is the course helpful to you to apply knowledge gained in your daily life				
Suggestions to improve course					

Name and signature of the student

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S. S. Arts College and T. P. Science Institute, Sankeshwar

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5	Is the course helpful to you to apply knowledge gained in your daily life				
Suggestions to improve course					

Name and signature of the student

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SDVS Sangh's
S. S. Arts College and T. P. Science Institute, Sankeshwar
Department of Chemistry
Certificate course on
Soap making and Detergent preparation

REPORT ON CERTIFICATE COURSE

Course name: "Soap making and Detergent preparation"
Students Registered: 38
Duration: From 23 May to 22 June 2024

Department of chemistry in association with placement cell organized a certificate course on **"Soap making and Detergent preparation"** from 23 May to 22 June 2024. The certificate course was aimed to provide training and skill development in the production of soaps, detergent powder, and candles for hygienic purpose. This Certificate course was started with following objectives and scope

- To train the students to start their own small/large scale business.
- To prepare herbal soaps which are free from hazardous chemicals.
- To inculcate the idea of 'Earn while learn'.
- To promote "Make in India" concept.
- To formulate innovative chemical products that we use every day in our life.
- To practice lab to land.

The curriculum includes both theory and practical for 30 hours. Students learned deeply about herbal significance of the contents used in soap preparation. Students also skilled about packaging, sales and marketing of products prepared. The BOS was constituted for the proper implementation of certificate course. The course was started on 23 May 2024. Internal and external faculty members engaged both theory and practical classes. **Dr. Rajeshwari H. V.,** Assistant Professor, Department of Chemistry, JSS College, Gokak, conducted theory and practical classes for detergent preparation and candle making. **Dr. Vijayalakshmi Edalli** from Department of Chemistry, SSTP College, conducted theory classes for Soap preparation. **Dr. Honnur Krishna** and **Miss Anusuya Mahalingapur** guided the students for preparation of soaps and packing of products.

Students were enthusiastically involved in practical sessions. Students were able to understand the formation of chemical mechanism of preparation, skill of handling the ingredients to develop safe, avoiding of usage of hazardous chemical free and the desired products from using chemical knowledge and herbal significance. Final examination was conducted and student's feedback was collected to further improvement of the course.

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DEPARTMENT OF CHEMISTRY

In association with

PLACEMENT CELL

Self-financed Certificate course on

Soap making and Detergent preparation

Student's feedback for the academic year 2023-24

Sl. No.	Feedback on	Excellent	Good	Satisfactory	Poor
1.	The course exposes you to new knowledge and experience	✓			
2	Skill based activities increased my level of learning	✓			
3.	Course had good mixture of theory and practical	✓			
4	The content of the course was clear and easy to understand		✓		
5	Is the course helpful to you to apply knowledge gained in your daily life		✓		

Suggestions to improve course You always tried to do some of extra curriculars like Soap, detergent, Candle and Vermicompost. You didn't had time but still somehow managed to arrange all of those Thank you for Each and Every person from the chemistry Staff.

Name ~~and~~ signature of the student

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Self-financed Certificate course on

Soap making and Detergent preparation

Students feedback for the academic year 2023-24

Sl. No.	Feedback on	Excellent	Good	Satisfactory	Poor
1.	The course exposes you to new knowledge and experience	✓			
2	Skill based activities increased my level of learning	✓			
3.	Course had good mixture of theory and practical	✓			
4	The content of the course was clear and easy to understand	✓			
5	Is the course helpful to you to apply knowledge gained in your daily life	✓			

Suggestions to improve course : Add more activities to improve knowledge & Also it is the very good experience.

Name and signature of the student

Ankita A. Magadum

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Soap making and Detergent preparation

Students feedback for the academic year 2023-24

Sl. No.	Feedback on	Excellent	Good	Satisfactory	Poor
1.	The course exposes you to new knowledge and experience	✓			
2	Skill based activities increased my level of learning	✓			
3.	Course had good mixture of theory and practical	✓			
4	The content of the course was clear and easy to understand	✓			
5	Is the course helpful to you to apply knowledge gained in your daily life	✓			
Suggestions to improve course	Add more such activities [Preparation of shampoo, perfumes Talcum powder, etc				

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Name and signature of the student

Shweta Inamdar

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Soap making and Detergent preparation

Students feedback for the academic year 2023-24

Sl. No.	Feedback on	Excellent	Good	Satisfactory	Poor
1.	The course exposes you to new knowledge and experience		✓		
2	Skill based activities increased my level of learning	✓			
3.	Course had good mixture of theory and practical	✓			
4	The content of the course was clear and easy to understand	✓			
5	Is the course helpful to you to apply knowledge gained in your daily life	✓			

Suggestions to improve course Add ~~so~~ more activites to improve knowledge
It is very good experience.

Name and signature of the student

Ganga. R. Patil

@PPU

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In association with
PLACEMENT CELL
Self-financed Certificate course on
Soap making and Detergent preparation
Students feedback for the academic year 2023-24

Sl. No.	Feedback on	Excellent	Good	Satisfactory	Poor
1.	The course exposes you to new knowledge and experience		✓		
2	Skill based activities increased my level of learning	✓			
3.	Course had good mixture of theory and practical		✓		
4	The content of the course was clear and easy to understand	✓			
5	Is the course helpful to you to apply knowledge gained in your daily life	✓			

Suggestions to improve course Add some other activities in their Course like making shampoo, perfume Etc.

Name and signature of the student
Shivaranjani. S. Basaligundi.

Preparation of Soaps.

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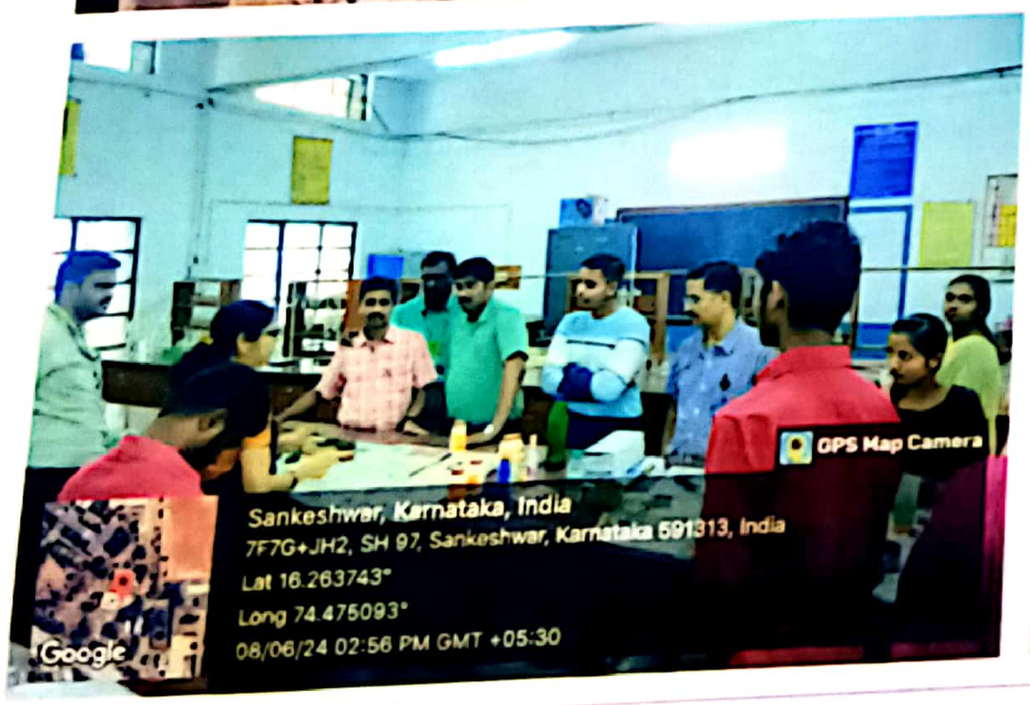
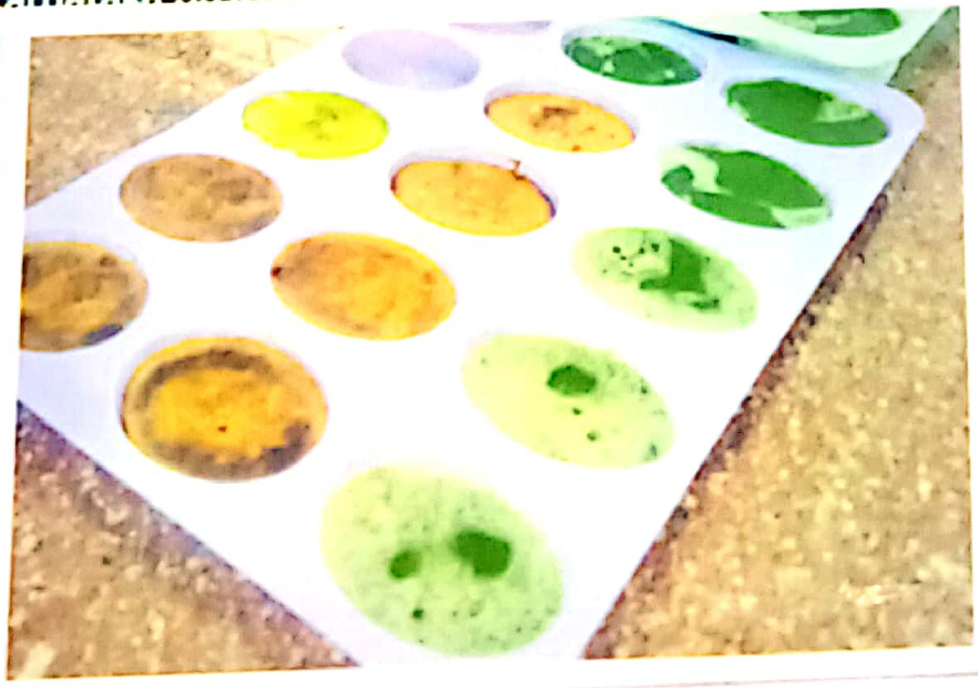
Certificate Distribution.





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Soaps, Candles and Detergents Prepared by Students

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Self-Financed Certificate Course - "Soap making and Detergent preparation"

by Department of Chemistry & Placement Cell

BA/B.Sc - Attendance list 2023-24.

Sl. No	Reg.No	Name of the Students	23/5	24/5	30/5	31/5	2/6	3/6	5/6	6/6	7/6	8/6	15/6	16/6	22/6			
1	U15CH21S0002	DEEPA M DESAI	1	2	3	4	5	6	7	8	9	10	11	12	13			
2	U15CH21S0005	GANGA R PATIL	1	2	3	4	5	6	7	8	9	10	10	11	12			
3	U15CH21S0006	SHILPA S SHEKHANAVAR	1	2	3	4	5	6	6	7	8	9	10	11	12			
4	U15CH21S0010	ASHWINI P MADIG	1	2	3	4	5	6	6	7	8	9	10	11	12			
5	U15CH21S0011	BASAVARAJ VINOD GHABE	1	2	3	4	5	6	7	8	9	10	11	12	13			
6	U15CH21S0021	GANGADHAR SUBHAS NAIK	1	2	3	4	5	6	7	8	9	10	11	12	13			
7	U15CH21S0025	JAYALAXMI S KAKOLI	1	2	3	4	5	6	7	8	9	10	11	12	13			
8	U15CH21S0026	SOUMYA AVINASH PATIL	1	2	3	4	5	6	7	8	9	10	11	12	13			
9	U15CH21S0029	SHWETA S MUGALI	1	2	3	4	5	6	7	8	9	10	11	12	13			
10	U15CH21S0035	SUTEERTHA S HOLEPPAGOL	1	2	3	4	5	6	7	8	9	10	10	11	12			
11	U15CH21S0037	KAVERI N CHOUGALA	1	2	3	4	5	6	7	8	9	10	11	12	13			
12	U15CH21S0039	SUSHMEETA MADANNAVAR	1	2	3	4	5	6	7	8	9	10	11	12	13			
13	U15CH21S0041	SUDHA KADAPPA TODAL	1	2	3	4	5	6	7	8	9	10	11	12	13			
14	U15CH21S0043	SHRUTI SAGAR MUNNOLI	1	2	3	4	5	6	7	8	9	10	11	12	13			
15	U15CH21S0046	PRASHANT S BEDAKIHAL	1	2	3	4	5	6	7	8	9	10	11	12	13			
16	U15CH21S0047	YASH SUNIL MAHAJAN	1	2	3	4	5	6	7	7	8	9	10	11	12			
17	U15CH21S0048	SUPRIT S MYAGADEYAWAR	1	2	3	4	5	6	7	8	9	9	10	11	12			
18	U15CH21S0055	SARSWATI R KAMBLE	1	2	3	4	5	6	7	8	9	10	11	12	13			
19	U15CH21S0058	SUSHMITA S CHOUGALA	1	2	3	4	5	6	7	8	9	10	11	12	13			
20	U15CH21S0059	LAXMI R MUNNOLI	1	2	3	4	5	6	7	8	9	10	11	12	13			
21	U15CH21S0062	MAHALAXMI B DADDI	1	2	3	4	5	6	7	8	9	10	11	12	13			
22	U15CH21S0063	SHWETA S INAMDAR	1	2	3	4	5	6	7	8	9	10	11	12	13			
23	U15CH21S0069	VIDYASHREE CHOPADE	1	2	3	4	5	6	7	8	8	9	10	11	12			
24	U15CH21S0070	NASTAHEEN M ATHANI	1	2	3	4	5	6	7	8	9	10	10	11	12			
25	U15CH21S0075	SARATAJABI J INAMADAR	1	2	3	4	5	6	7	8	9	10	11	11	12			

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26	U15CH21S0077	SAHANA DIWAKAR	1	2	3	4	5	6	7	8	9	9	10	10	11					
27	U15CH21S0078	SRUSTI B PATIL	1	2	3	4	5	6	7	8	9	10	11	12	13					
28	U15CH21S0081	PANKAJA SURESH JAIN	1	2	3	4	5	6	7	8	9	10	11	12	13					
29	U15CH21S0084	SACHIN SANJU JINARALI	1	2	3	4	5	6	7	8	9	10	11	12	13					
30	U15CH21S0088	PRATIKSHA R MAGADUM	1	2	3	4	5	6	7	7	8	9	10	11	12					
31	U15CH21S0100	ANUSUYA B KHANAPURI	1	2	3	4	5	6	7	8	9	10	11	12	13					
32	U15CH21S0102	ANKITA ARJUN MAGADUM	1	2	3	4	4	5	6	7	8	9	10	11	12					
33	U15CH21S0103	SHIVARANJINI BASALIGUNDI	1	2	3	4	5	6	6	7	8	9	10	11	12					
34	U15CH21S0104	VIDYARANI PATIL	1	2	3	4	5	6	7	8	9	10	11	12	13					
35	U15CH21S0020	SAKSHI KOKATNUR	1	2	3	4	5	6	7	8	9	10	11	12	13					
36	U15CH21S0028	PREMA KONKERI	1	2	3	4	5	6	7	8	9	10	11	12	13					
37	U15CH21S0057	OMKAR PRAKASH BHOVI	1	2	3	4	4	5	6	7	8	9	10	11	12					
38	U15CH21S0084	SACHIN JINARALI	1	2	3	4	5	6	7	8	9	10	11	12	13					

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Tal. Hukkeri **SANKESHWAR** Dist: Belagavi.

Accredited at B++ Level by NAAC

DEPARTMENT OF CHEMISTRY

in collaboration with

PLACEMENT CELL, under IQAC

Certificate of Completion

This is to certify that Mr./Miss. _____ has successfully completed one month certificate course in 'Candle Preparation, Soap and Detergent manufacturing' from 23rd May to 22nd June 2024 .

IQAC	HOD	Chairman	Principal
Co-ordinator	Chemistry	Placement Cell	

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DEPARTMENT OF CHEMISTRY

In association with

Placement Cell

Self financed Certificate Course

ON

VERMICOMPOST - A BIO TOOL FOR SOLID WASTE MANAGEMENT

MoU with TMC, chemical components analysis at

RAIT MITRA KRISHI ABHIVRUDDHI SANGH,

SANKESHWAR

2023 – 24

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Department of Chemistry in association with **Placement Cell**

A self financed certificate course on

VERMICOMPOST - A BIO TOOL FOR SOLID WASTE MANAGEMENT

Academic Year: 2022-23

No. of Hours: 30 Hours

Course Coordinator: Dr. Honnur Krishna.

Medium of course: English/ Kannada

Assessment/ Evaluation process: MCQ/Objective/Short answer type exam

Course objectives

1. To understand basic techniques of vermicomposts preparation.
2. To assess the soil fertility and implement the organic based farming for environmental benefits
3. To develop as an business entrepreneurial in the agricultural science
4. To promote the sustainable practices for the soil health.
5. An analytical and practical based technical skill to "Earn while learning".

Course outcome

The students are able to

1. Produce good quality of Vermicompost and Vermiculture.
2. Students are able to analyze the chemistry of soil, water and other nutrients for the growth of suitable crops.
3. To develop skills and update the knowledge about value added product.
4. To develop the mindset among the students about self-employability.

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Sankeshwar.

Department of Chemistry in association with

Placement Cell

A self financed certificate course on

VERMICOMPOST - A BIO TOOL FOR SOLID WASTE MANAGEMENT

Course Duration: 30 h

THEORY

Introduction to solid waste management **05 h**

- Overview of types of wastes, their collection, transport, treatment and disposal of waste.
- Need for Waste management and effect on the community.
- Waste treatment methods:

  Physicochemical Treatment of Solid and Hazardous Waste,

  Chemical treatment processes,

  Biological Treatment of Solid and Hazardous Waste,
- Reuse Reduce and Recycle.

Vermicomposting: **10 h**

- Introduction, scope, and objectives of Vermicompost.
- Vermicompost Production:
- Establishment of Vermicomposting and Vermiwash unit.
- Methods of Vermicomposting: Small and large scale Bed method, Pit method
- Harvesting the Compost, Storing and packing of vermicompost.
- Precautions while Vermicomposting, Factors affecting vermicomposting (pH, moisture and temperature).
- Physico- chemical analysis of vermicompost, influence of chemical inputs on earthworm activity. Nutrient contents of vermicompostand their role in agriculture.
- Vermiculture for waste reduction, economic importance of earthworms.
- Pests and diseases of Earthworms
- Marketing of vermicomposting products and financial support by governments and NGOs for vermiculture.

PRACTICAL **15 h**

1. Vermicomposting unit Pit method
2. Establishment of vermicomposting unit bed method

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3. Vermicompost production, harvesting and packaging.
4. Estimation of mineral content of biomass from vermicompost manure (pH, NPK, TDS, conductance, etc)
5. Field visit with demonstrations.

References

1. The Textbook of Vermicompost, Vermiwash and Biopesticides: Keshavsingh and et al. Publisher: Biotech Books
2. The Book Hand Book of Biofertilizers & Vermiculture. Publisher: Engineers India Research Institute
3. Handbook of Organic Farming and Organic Foods With Vermicomposting Neem Publisher: Engineers India Research Institute
4. Text Book of Applied Zoology: Vermiculture, Apiculture, Sericulture, Lac Culture, Agricultural Pests and their Controls: Pradip Jabde Publisher: Discovery Publishing House
5. The Worm Farmer's Handbook Mid- to Large-Scale Vermicomposting for Farms,Businesses, Municipalities, Schools, and Institutions: Rhonda Sherman Publisher: Chelsea Green Publishing
6. Vermiculture Technology: Earthworms, Organic Wastes, and EnvironmentalManagement: Clive A. Edwards, Norman Q. Arancon, Rhonda L. Sherman Publisher: CRC Press 2010
7. Commercial Vermiculture: How to Build a Thriving Business in Redworms: Peter Bogdanov
8. Applied Zoology: N Arumugam, T Murugan, R Ram Prabhu, and J. Johnson Rajeshwar. Publisher: Saras Publication
9. Worm Farming: Setup A Sustainable Vermiculture Earthworm Composting Ranch: Brian Grant. Publisher: Sparrow Publications.

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Outline of Curriculum and Test

Proposed curricular of Certificate Course in "**Vermicompost - a bio tool for solid waste management**" during the academic year 2022-23 for BA and BSc students.

Outline of course structure

Paper	Title of the paper	Teaching hours/course	Duration of Exam	Marks
Theory	Vermicompost - a bio tool for solid waste management	15	1 hour	25
Practical	Vermicompost - a bio tool for solid waste management	15	2 hour	25
			Total marks	**50**

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No._____ Date : 06-06-2023

Self-financed Certificate Course

The department of Chemistry in association with Placement Cell, SSTP College, Sankeshwar, organizes self financed certificate course on **"VERMICOMPOST - A BIO TOOL FOR SOLID WASTE MANAGEMENT"** for BA and BSc students.

The following faculties are selected as BOS members:

Sl. No.	Name	Designation	Signature
1.	Shri P. B. Burji Principal, SSTP College, Sankeshwar.	Chairman	
2.	Dr. Honnur Krishna Assistant Professor in Chemistry, SSTP College, Sankeshwar	Coordinator/ Placement Cell Officer	
3.	Shri M. R. Patil Assistant Professor and HOD, Physics, SSTP College, Sankeshwar	Member/ IQAC Coordinator	
4.	Dr. Vijayalakshmi A. Edalli Assistant Professor and HOD, Chemistry, SSTP College, Sankeshwar	Member	
5.	Miss Madhu Waghi Assistant Professor in Chemistry (Guest Faculty), SSTP College, Sankeshwar	Member	
6.	Miss Anusuya Mahalingpur Assistant Professor in Chemistry (Guest Faculty), SSTP College, Sankeshwar	Member	

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Principal

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SDVS Sangh's
S. S. Arts College and T. P. Science Institute, Sankeshwar
DEPARTMENT OF CHEMISTRY
In association with
PLACEMENT CELL
Self Financed Certificate Course

Date: 07.06.2023

Agenda

1. Course on "Vermicompost - A bio tool for solid waste management".
2. Framing the syllabus and duration of course.
3. Students' enrolment.
4. Appointment of the staff and work distribution.

Proceedings of the meeting

The course coordinator welcomed all the members of the meeting,

The following points were discussed –

1. It was decided to conduct certificate course on Vermicompost - A bio tool for solid waste management for one semester and duration of the course will be 30 hours which includes both theory (10 hours) and practical (20 hours) classes.
2. The syllabus was finalized with lot of discussion.
3. The course has been organized with the following objectives
   - ✓ To understand basic techniques of vermicomposts preparation.
   - ✓ To assess the soil fertility and implement the organic based farming for environmental benefits
   - ✓ To develop as an business entrepreneurial in the agricultural science
   - ✓ To promote the sustainable practices for the soil health.
   - ✓ An analytical and practical based technical skill to "Earn while learning".
4. The classes will be conducted by the internal staff and few classes by external expert or field visit studies.
5. It is resolved that the student attendance is made compulsory. The staff incharge asked to take attendance every time and absentees are reported.

Members of the BOS attended the meeting-

1. Shri P. B. Burji - Chairman
2. Dr. Honnur Krishna - Coordinator
3. Dr. Vijayalakshmi A. Edalli - Member
4. Shri M. R. Patil - Member
5. Miss Madhu Waghi - Member
6. Miss A. C. Mahalingpur - Member

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DEPARTMENT OF CHEMISTRY

In association with

PLACEMENT CELL

Self-financed Certificate course on Soap making and Detergent preparation

STUDENTS ENROLLED FOR THE COURSE

SL. NO.	REGISTER NUMBER	NAME OF THE STUDENT	CLASS
1	U15CH21S0002	DEEPA M DESAI	BSc V Semester
2	U15CH21S0005	GANGA R PATIL	BSc V Semester
3	U15CH21S0006	SHILPA S SHEKHANAVAR	BSc V Semester
4	U15CH21S0010	ASHWINI P MADIG	BSc V Semester
5	U15CH21S0011	BASAVARAJ V GHABE	BSc V Semester
6	U15CH21S0012	VEENA M NARASANNAVAR	BSc V Semester
7	U15CH21S0021	GANGADHAR S NAIK	BSc V Semester
8	U15CH21S0025	JAYALAXMI S KAKOLI	BSc V Semester
9	U15CH21S0026	SOUMYA A PATIL	BSc V Semester
10	U15CH21S0029	SHWETA S MUGALI	BSc V Semester
11	U15CH21S0033	BASAVARAJ S CHOUGALA	BSc V Semester
12	U15CH21S0035	SUTEERTHA S HOLEPPAGOL	BSc V Semester
13	U15CH21S0037	KAVERI N CHOUGALA	BSc V Semester
14	U15CH21S0039	SUSHMEETA MADANNAVAR	BSc V Semester
15	U15CH21S0041	SUDHA K TODAL	BSc V Semester
16	U15CH21S0043	SHRUTI S MUNNOLI	BSc V Semester
17	U15CH21S0046	PRASHANT S BEDAKIHAL	BSc V Semester
18	U15CH21S0047	YASH S MAHAJAN	BSc V Semester
19	U15CH21S0048	SUPRIT S MYAGADEYAWAR	BSc V Semester
20	U15CH21S0054	NINGAPPA D MARADI	BSc V Semester
21	U15CH21S0055	SARSWATI R KAMBLE	BSc V Semester
22	U15CH21S0057	OMKAR P BHOVI	BSc V Semester
23	U15CH21S0058	SUSHMITA S CHOUGALA	BSc V Semester
24	U15CH21S0059	LAXMI R MUNNOLI	BSc V Semester

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25	U15CH21S0062	MAHALAXMI B DADDI	BSc V Semester
26	U15CH21S0063	SHWETA S INAMDAR	BSc V Semester
27	U15CH21S0069	VIDYASHREE D CHOPADE	BSc V Semester
28	U15CH21S0070	NASTAHEEN M ATHANI	BSc V Semester
29	U15CH21S0071	RAHUL MAGADUM	BSc V Semester
30	U15CH21S0072	ABHISHEK J KAMMAR	BSc V Semester
31	U15CH21S0075	SARATAJABI J INAMADAR	BSc V Semester
32	U15CH21S0077	SAHANA DIWAKAR	BSc V Semester
33	U15CH21S0078	SRUSTI B PATIL	BSc V Semester
34	U15CH21S0079	ROHIT KHANASE	BSc V Semester
35	U15CH21S0081	PANKAJA S JAIN	BSc V Semester
36	U15CH21S0084	SACHIN S JINARALI	BSc V Semester
37	U15CH21S0085	SHEKHAR R MAGADUM	BSc V Semester
38	U15CH21S0088	PRATIKSHA R MAGADUM	BSc V Semester
39	U15CH21S0100	ANUSUYA B KHANAPURI	BSc V Semester
40	U15CH21S0101	AKSHATA R HIREMATH	BSc V Semester
41	U15CH21S0102	ANKITA A MAGADUM	BSc V Semester
42	U15CH21S0103	SHIVARANJINI BASALIGUNDI	BSc V Semester
43	U15CH21S0104	VIDYARANI PATIL	BSc V Semester

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Question paper

SDVS Sangh's

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A self financed certificate course on

VERMICOMPOST - A BIO TOOL FOR SOLID WASTE MANAGEMENT

Student Name: **Time: 1 h**

Register Number: **Marks: 30**

Class:

Answer all the questions. Each MCQ carries 2 marks. Put for correct answer (2 x 15 = 30)

1. **Which species of worm is commonly used in vermicomposting?**

A) Lumbricus terrestris, B) Eisenia fetida, C) Helix aspersa & D) Lumbricus rubellus

2. **What is the primary food source for worms in vermicomposting?**

A) Plastic, B) Metal scraps, C) Organic waste, D) Inorganic chemicals

3. **At what temperature range do composting worms thrive?**

A) 0-10°C, B) 10-20°C, C) 15-25°C, D) 25-35°C

4. **What is the ideal moisture content for vermicomposting?**

A) 10-20%, B) 30-40%, C) 50-60%, D) 70-80%

5. **Which of the following is not suitable for vermicomposting?**

A) Fruit peels, B) Meat scraps, C) Vegetable waste, D) Coffee grounds

6. **What should be the carbon to nitrogen ratio in vermicomposting?**

A) 10:1, B) 20:1, C) 30:1, D) 40:1

7. **Which bedding material is preferred for vermicomposting?**

A) Newspaper, B) Sand, C) Plastic sheets, D) Rocks

8. **How often should the vermicompost bin be turned or aerated?**

A) Daily, B) Weekly, C) Monthly, D) Never

9. **What is a sign that the vermicompost bin is too wet?**

A) Dry bedding, B) Bad odor, C) Presence of ants, D) No worms

10. **What should be done if the vermicompost bin develops a bad odor?**

A) Add water, B) Add more worms, C) Add dry bedding, D) Stop feeding

11. **Which nutrient is not typically high in vermicompost?**

A) Nitrogen, B) Phosphorus, C) Potassium, D) Sodium

12. **What is the main benefit of using vermicompost in soil?**

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A) Increases soil pH, B) Provides inorganic nutrients, C) Enhances soil structure and fertility, D) Acts as a pesticide

13. How long does it typically take to produce vermicompost?

A) 2-3 weeks B) 1-2 months, C) 3-6 months, D) 1 year

14. What is the function of the aeration holes in a vermicompost bin?

A) To let light in, B) To allow oxygen to enter, C) To add water, D) To remove compost

15. Which of the following can lead to worm death in a vermicomposting system?

A) Too much light, B) Too little food, C) High salt content, D) Low moisture content

16. Which method is used to measure the pH of vermicompost?

A) Titration, B) pH meter, C) Spectroscopy, D) Gravimetry

17. What is the ideal pH range of vermicompost?

A) 3-4, B) 5-6, C) 6-8, D) 9-10

18. Which instrument is used to determine the nitrogen content in vermicompost?

A) Atomic absorption spectrometer, B) Gas chromatograph, C) Kjeldahl apparatus, D) Mass spectrometer

19. What chemical process is used to determine phosphorus content in vermicompost?

A) Colorimetry, B) Chromatography, C) Titration, D) Electrolysis

20. Which form of nitrogen is commonly measured in vermicompost?

A) Nitrite, B) Nitrate, C) Ammonia, D) Urea

21. What is the main component analyzed to determine the organic matter content in vermicompost?

A) Carbon, B) Hydrogen, C) Oxygen, D) Nitrogen

22. Which analytical technique is used to determine the potassium content in vermicompost?

A) Flame photometry, B) NMR spectroscopy, C) X-ray diffraction, D) Mass spectrometry

23. What is used to extract available nutrients from vermicompost for chemical analysis?

A) Water, B) Acid solutions, C) Organic solvents, D) Alcohol

24. Which element is typically not a focus in vermicompost analysis?

A) Calcium, B) Magnesium, C) Lead, D) Sulfur

25. Which method is used to measure the moisture content of vermicompost?

A) Drying oven method, B) Gas chromatography, C) Atomic absorption, D) Spectrophotometry

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DEPARTMENT OF CHEMISTRY

In association with

PLACEMENT CELL

Self-financed Certificate course on Soap making and Detergent preparation

RESULT:

SL. NO.	REGISTER NUMBER	NAME OF THE STUDENT	Theory	Practical	Total
1	U15CH21S0002	DEEPA M DESAI	25	25	50
2	U15CH21S0005	GANGA R PATIL	19	22	41
3	U15CH21S0006	SHILPA S SHEKHANAVAR	25	25	50
4	U15CH21S0010	ASHWINI P MADIG	25	25	50
5	U15CH21S0011	BASAVARAJ V GHABE	25	25	50
6	U15CH21S0012	VEENA M NARASANNAVAR	25	25	50
7	U15CH21S0021	GANGADHAR S NAIK	20	25	45
8	U15CH21S0025	JAYALAXMI S KAKOLI	25	25	50
9	U15CH21S0026	SOUMYA A PATIL	22	24	46
10	U15CH21S0029	SHWETA S MUGALI	25	25	50
11	U15CH21S0033	BASAVARAJ S CHOUGALA	25	25	50
12	U15CH21S0035	SUTEERTHA S HOLEPPAGOL	20	21	41
13	U15CH21S0037	KAVERI N CHOUGALA	25	25	50
14	U15CH21S0039	SUSHMEETA MADANNAVAR	25	25	50
15	U15CH21S0041	SUDHA K TODAL	25	25	50
16	U15CH21S0043	SHRUTI S MUNNOLI	25	25	50
17	U15CH21S0046	PRASHANT S BEDAKIHAL	25	25	50
18	U15CH21S0047	YASH S MAHAJAN	25	25	50
19	U15CH21S0048	SUPRIT S MYAGADEYAWAR	25	25	50
20	U15CH21S0054	NINGAPPA D MARADI	20	22	42

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21	U15CH21S0055	SARSWATI R KAMBLE	25	25	50
22	U15CH21S0057	OMKAR P BHOVI	20	25	45
23	U15CH21S0058	SUSHMITA S CHOUGALA	25	25	50
24	U15CH21S0059	LAXMI R MUNNOLI	25	25	50
25	U15CH21S0062	MAHALAXMI B DADDI	25	25	50
26	U15CH21S0063	SHWETA S INAMDAR	25	25	50
27	U15CH21S0069	VIDYASHREE D CHOPADE	25	25	50
28	U15CH21S0070	NASTAHEEN M ATHANI	22	22	44
29	U15CH21S0071	RAHUL MAGADUM	18	18	36
30	U15CH21S0072	ABHISHEK J KAMMAR	20	21	41
31	U15CH21S0075	SARATAJABI J INAMADAR	18	22	40
32	U15CH21S0077	SAHANA DIWAKAR	20	20	40
33	U15CH21S0078	SRUSTI B PATIL	18	18	36
34	U15CH21S0079	ROHIT KHANASE	20	25	45
35	U15CH21S0081	PANKAJA S JAIN	25	25	50
36	U15CH21S0084	SACHIN S JINARALI	25	25	50
37	U15CH21S0085	SHEKHAR R MAGADUM	25	25	50
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40	U15CH21S0101	AKSHATA R HIREMATH	18	20	38
41	U15CH21S0102	ANKITA A MAGADUM	25	25	50
42	U15CH21S0103	SHIVARANJINI BASALIGUNDI	25	25	50
43	U15CH21S0104	VIDYARANI PATIL	25	25	50

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Placement cell Coordinator
(Dr. Konnur Krishna)

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Report:

All the interested BA and BSc V sem students did the project report as a certificate course on the topic of "Vermicompost – A Bio tool for solid waste management" under the guidance of Faculties, Department of Chemistry, SSTP college, Sankeshwar. Prof. M. C. Hosur, Chairman, at SDVS Sangh's Raitha Mithra, Research laboratory, Sankeshwar guided the analysis of the vermicompost.

Vermicompost, also known as worm compost, is a nutrient-rich organic fertilizer produced through the breakdown of organic waste materials by earthworms. This report explores the process of vermicomposting, its benefits, applications, and its potential contribution to sustainable agriculture. As global concerns about environmental sustainability and food security rise, vermicompost emerges as a viable and eco-friendly solution for improving soil health and reducing the reliance on synthetic fertilizers.

The process of vermicomposting involves the interaction between organic waste, microorganisms, and earthworms. Earthworms consume organic materials, breaking them down into simpler compounds. This process enhances nutrient availability and microbial activity, resulting in highly fertile and humus-rich compost.

While vermicomposting offers numerous benefits, challenges include the need for proper management of moisture, temperature, and pH levels. Additionally, the initial investment in establishing a vermicomposting system may be a barrier for some.

Various parameters pertaining to the soils and vermicomposts were analyzed by different analytical methods. The students compared the nutrients of normal garden soil and the vermicomposts prepared in our college campus. The following are some of the nutrients analyzed at RMKAS research centre, Sankeshwar such as Na, K, Ca, Fe, Zn, Cu, Phosporus and carbon content along with TDS and pH of the analyte samples. The target analytes include determination of available nitrogen by Kjeldahl's method, organic carbon content quantification by dichromate method, available phosphorous by phospho-molybdenum method, some of the soil micro nutrients such as Fe, Mn, Zn, Cu etc by atomic absorption spectrophotometer (AAS) at the micro gram level. Apart from these analyte analyses, the pH of the samples was also analyzed. The electrical conductivity of the soil samples was carried out by conductance measurement. Macro nutrient such as Na and K was also analyzed by using flame photometric techniques and compared with the standard methods.

It was found that the nutrients in the vermicomposts were five times more nutrient than normal garden soil.

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The future perspectives

The growing awareness of sustainable agricultural practices and the demand for organic produce position vermicompost as a key player in the future of farming. Research and innovation in vermicomposting technologies can further enhance its efficiency and scalability.

The students were taught the significance of vermicomposts over the normal soil and also the health of the soil which facilitates the growth of the plants. One can estimate and decide on the basis of analysis of the soil samples components like what type of crops can be grown, at what season depending upon the quality of the soil samples, soil health, and nutrients that are present in the samples, for maintaining the fertility of the soils throughout the year to get the maximum yield, after its careful understanding of soil compositions. Overall, the project was very insightful and informative for both the students and faculties and had thorough discussions with the subject experts.

In conclusion, Vermicompost stands as a sustainable and eco-friendly solution to address soil degradation, waste management, and the demand for organic produce. Its ability to improve soil fertility, enhance crop yield, and contribute to environmental conservation make it a valuable asset in the pursuit of sustainable agriculture.

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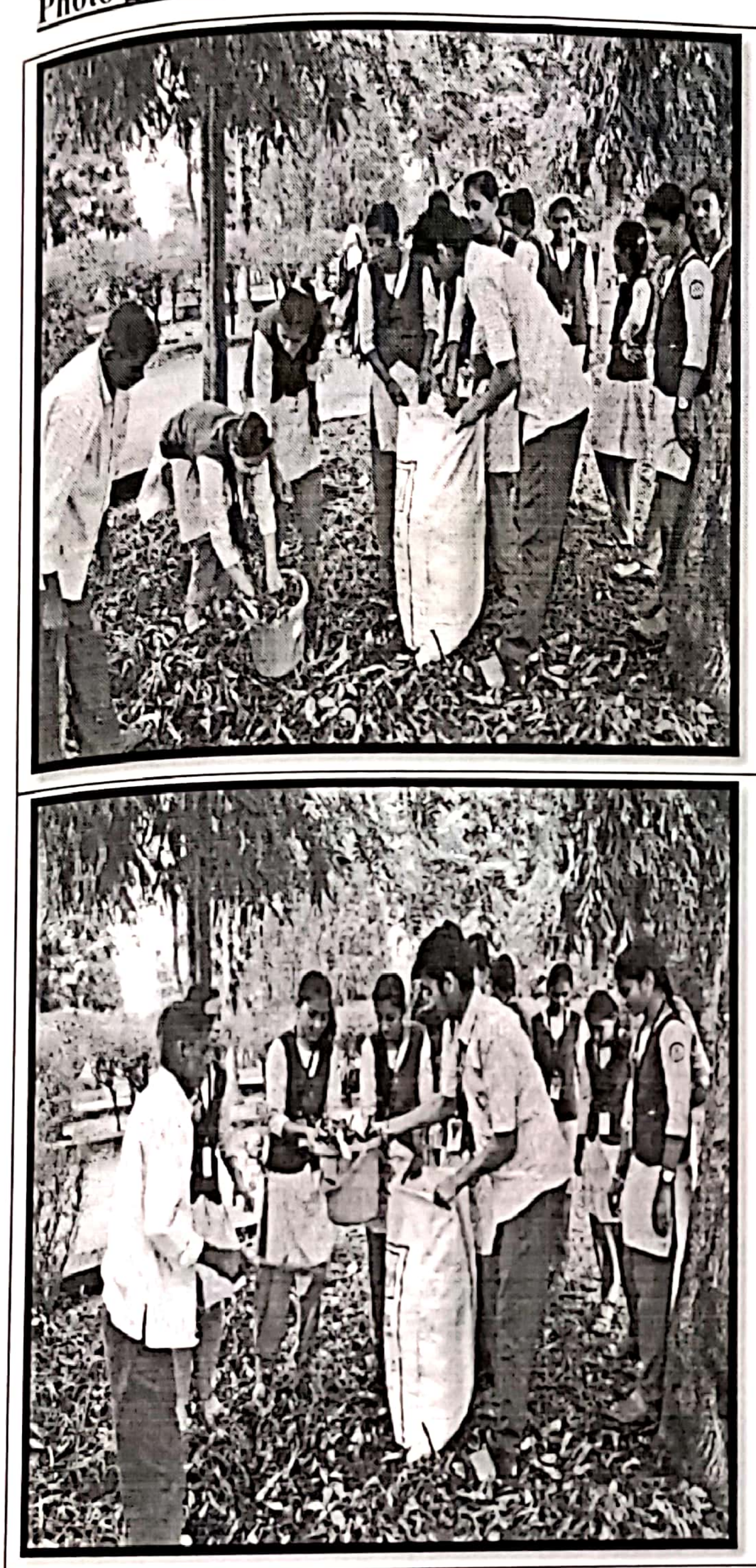
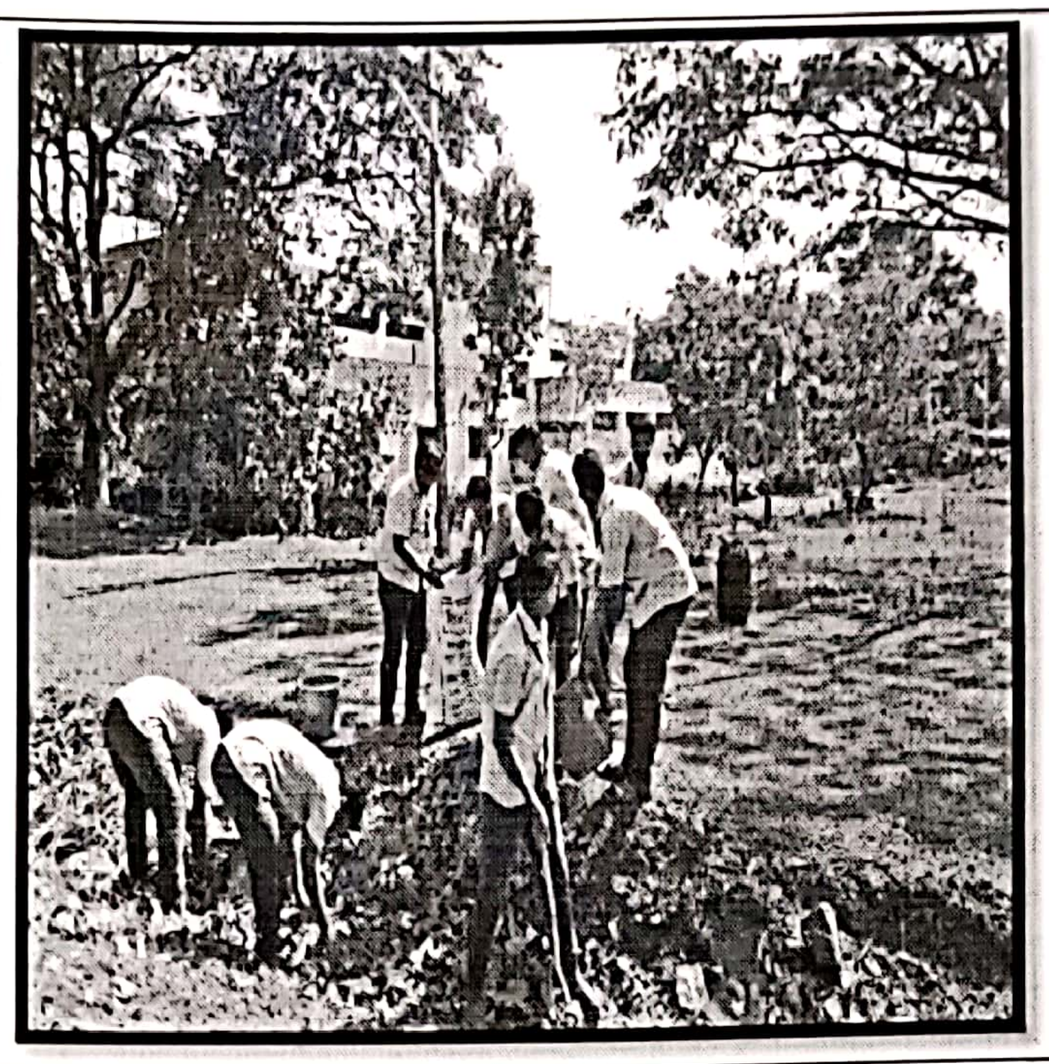
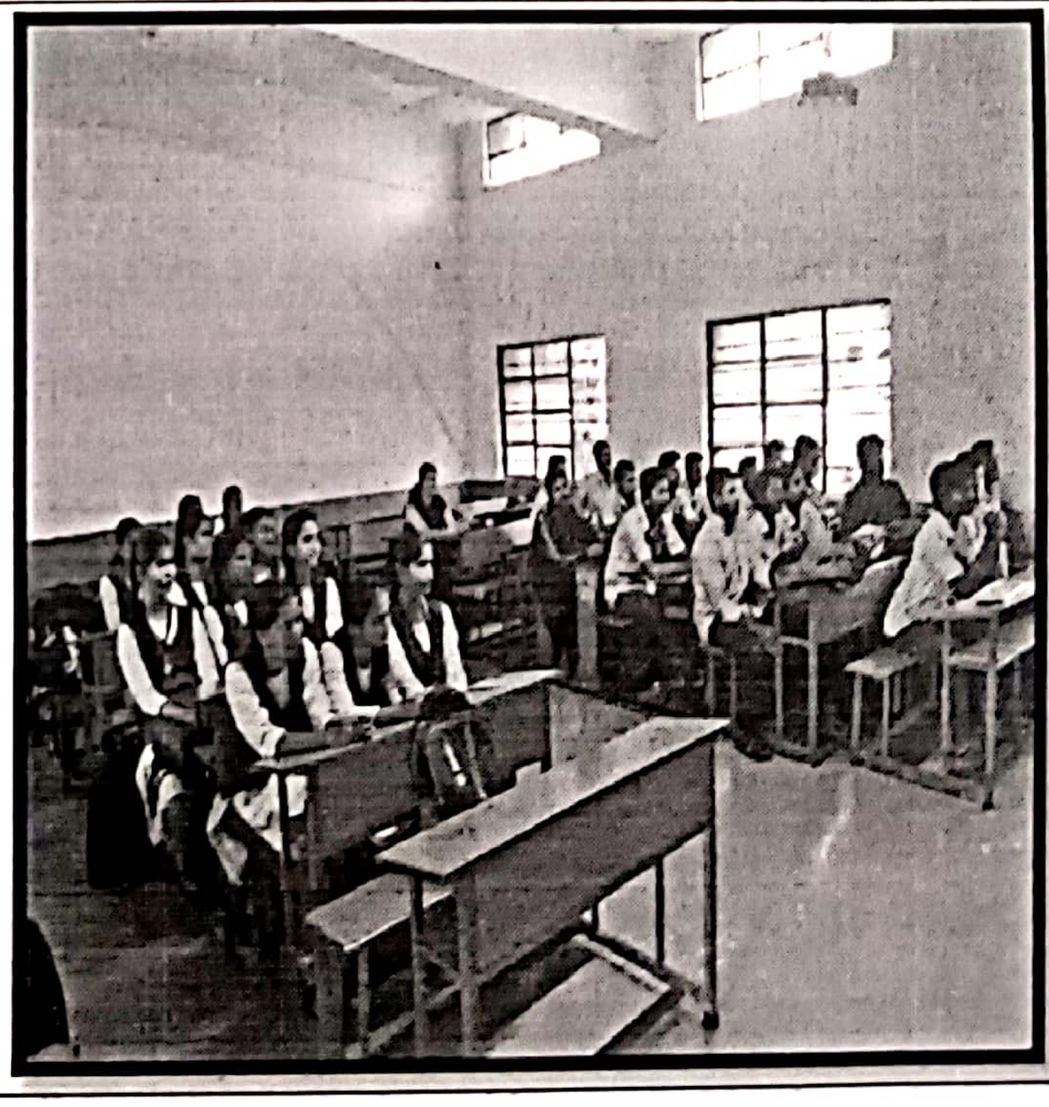
Photo gallery







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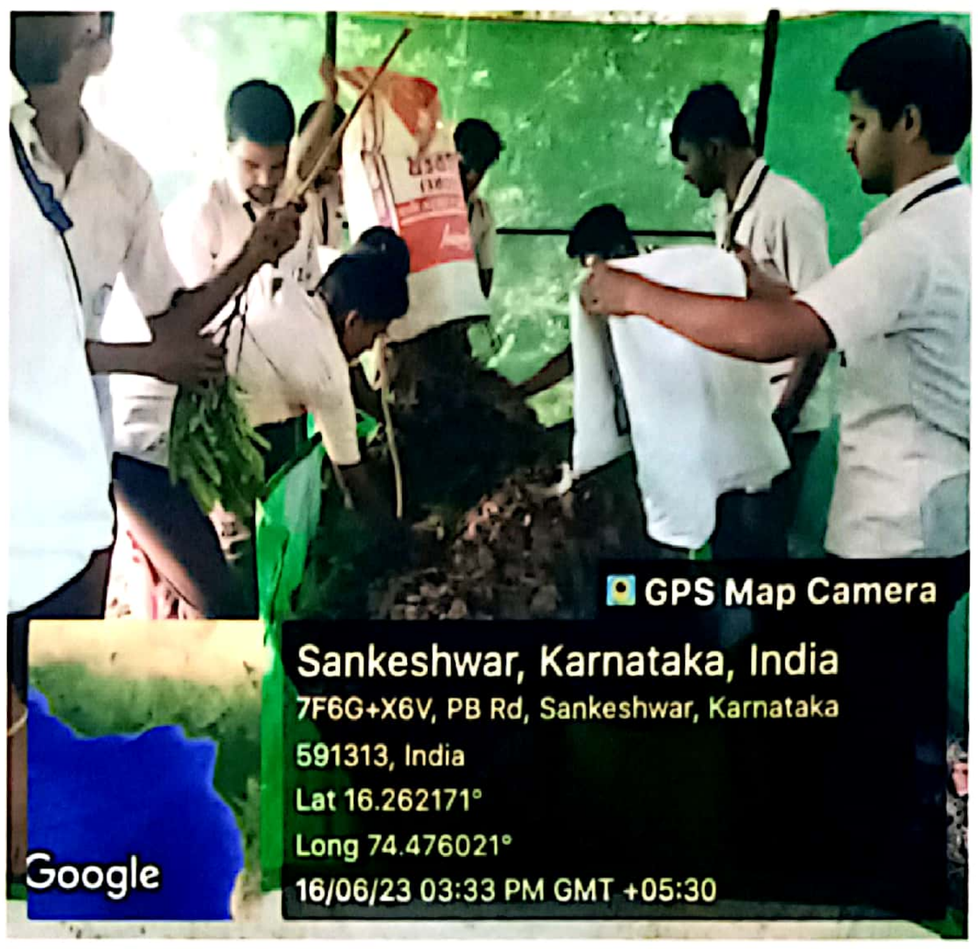

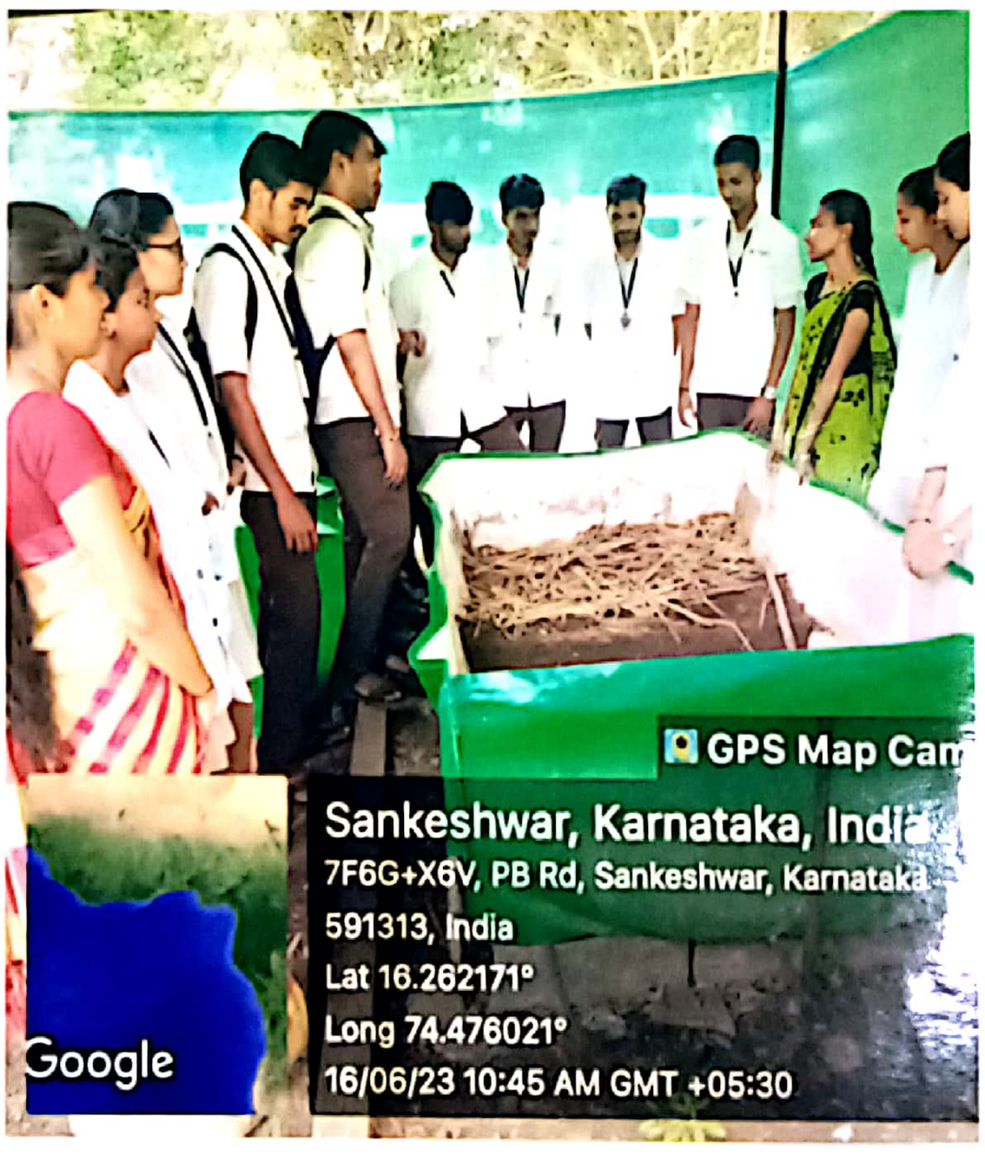

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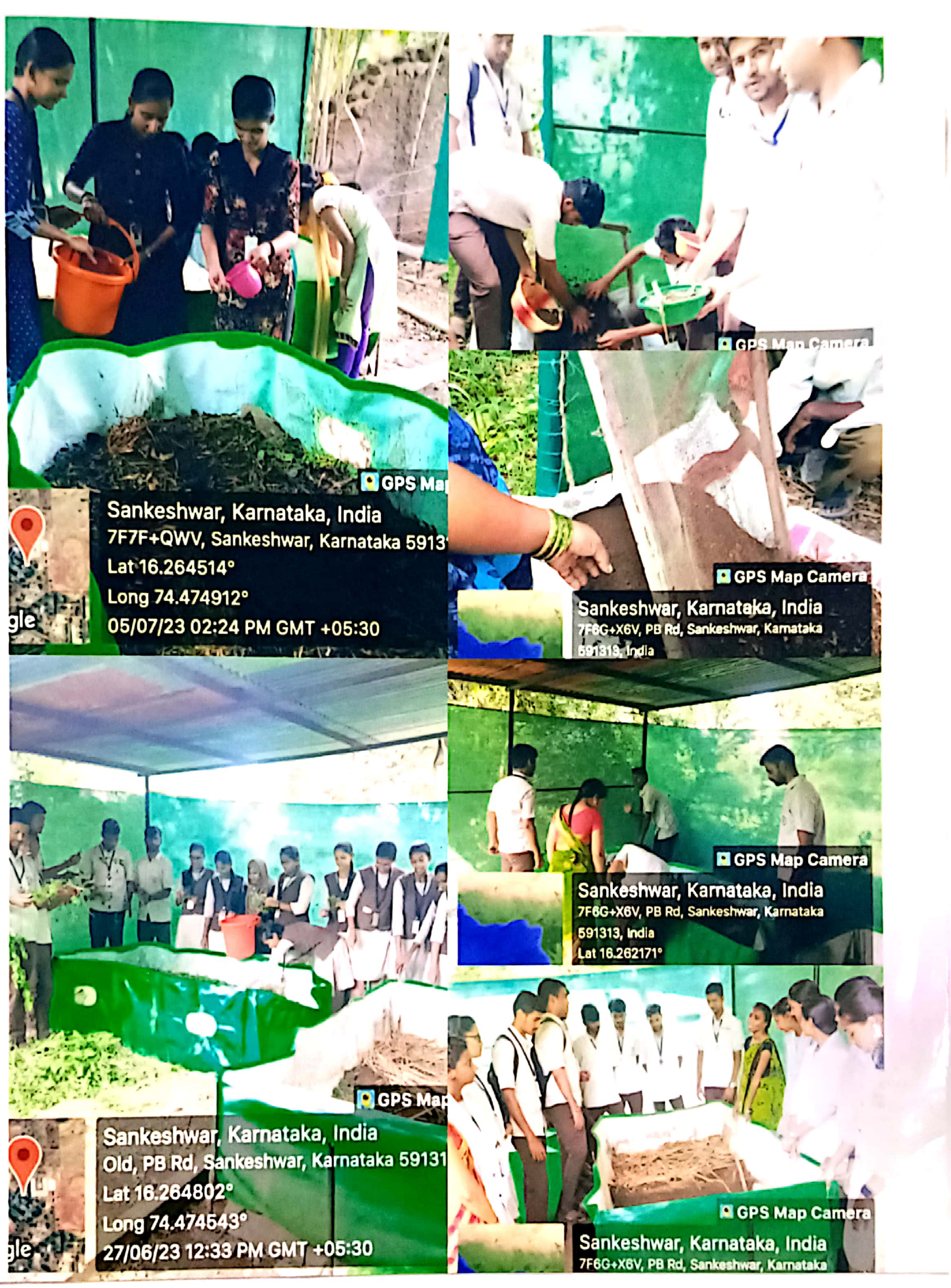

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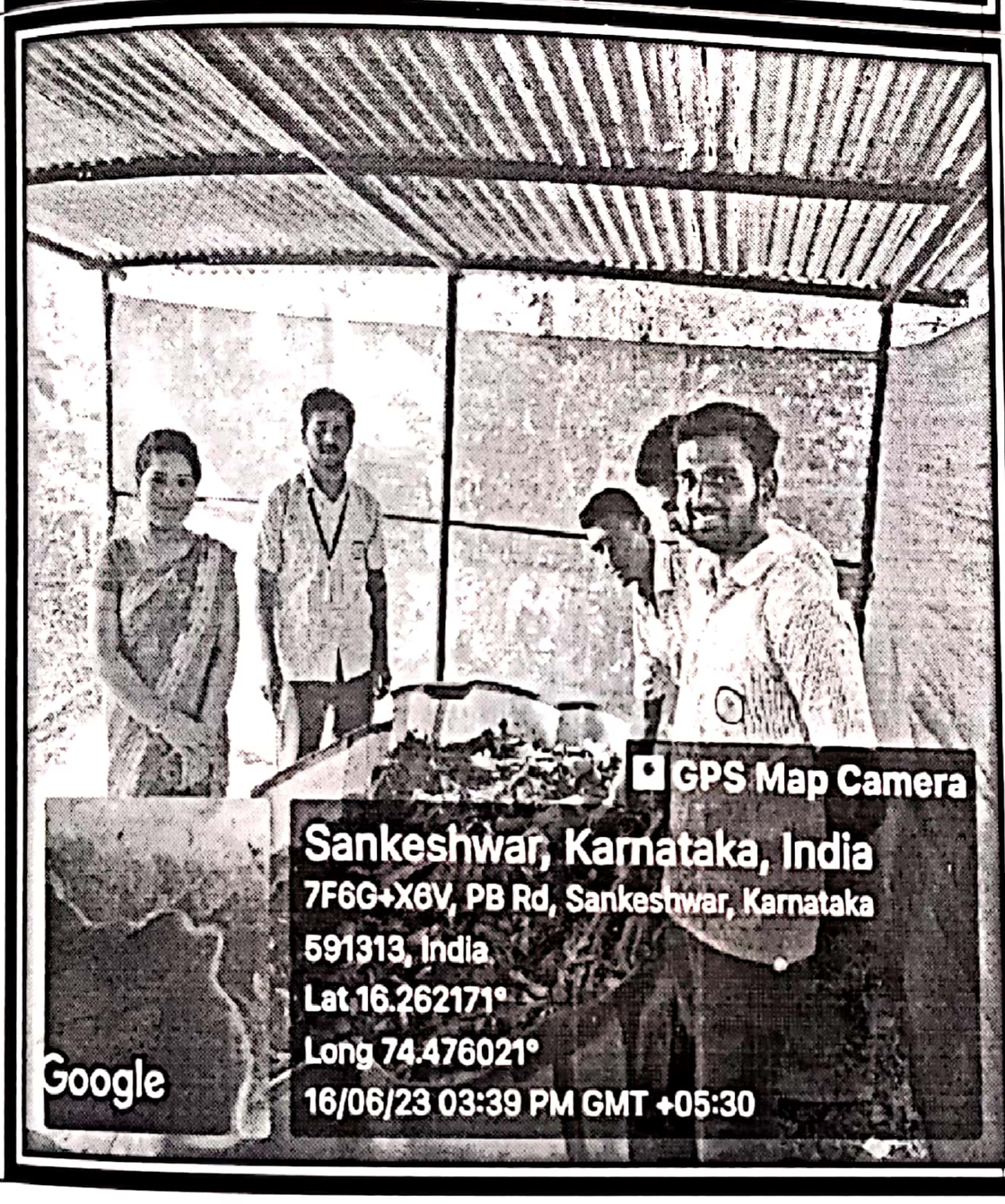

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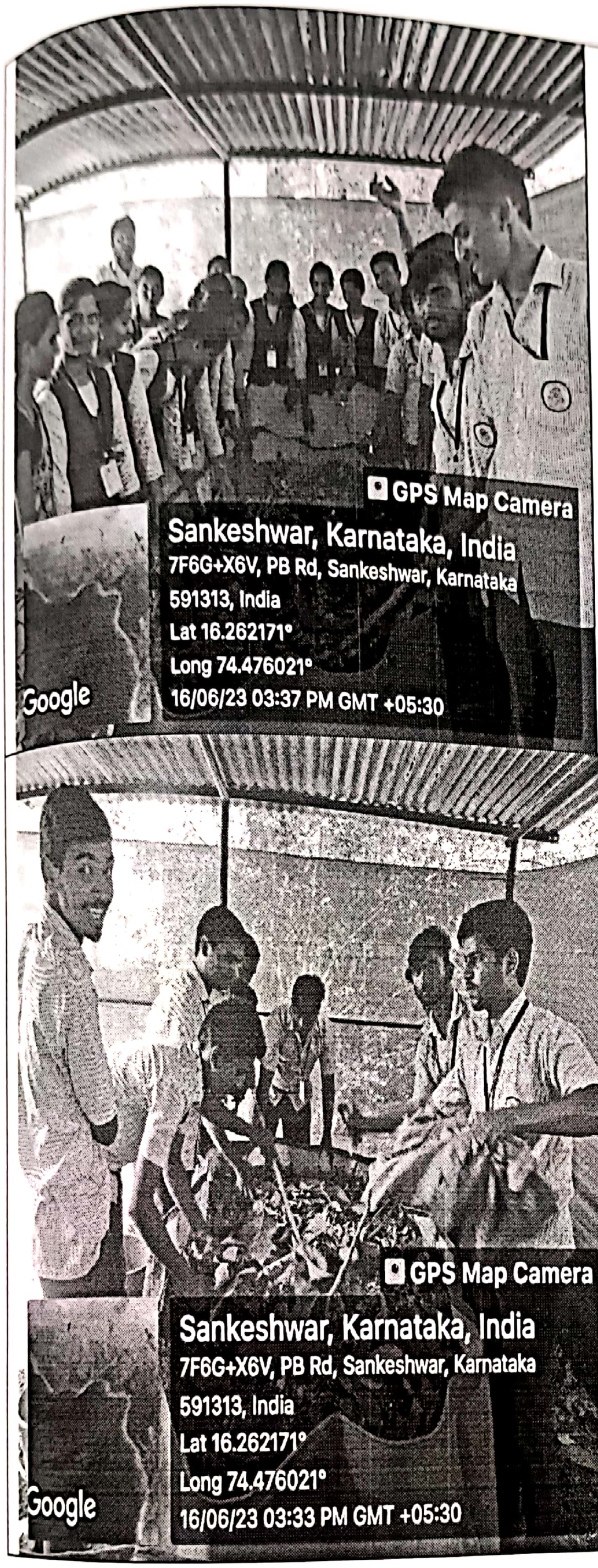

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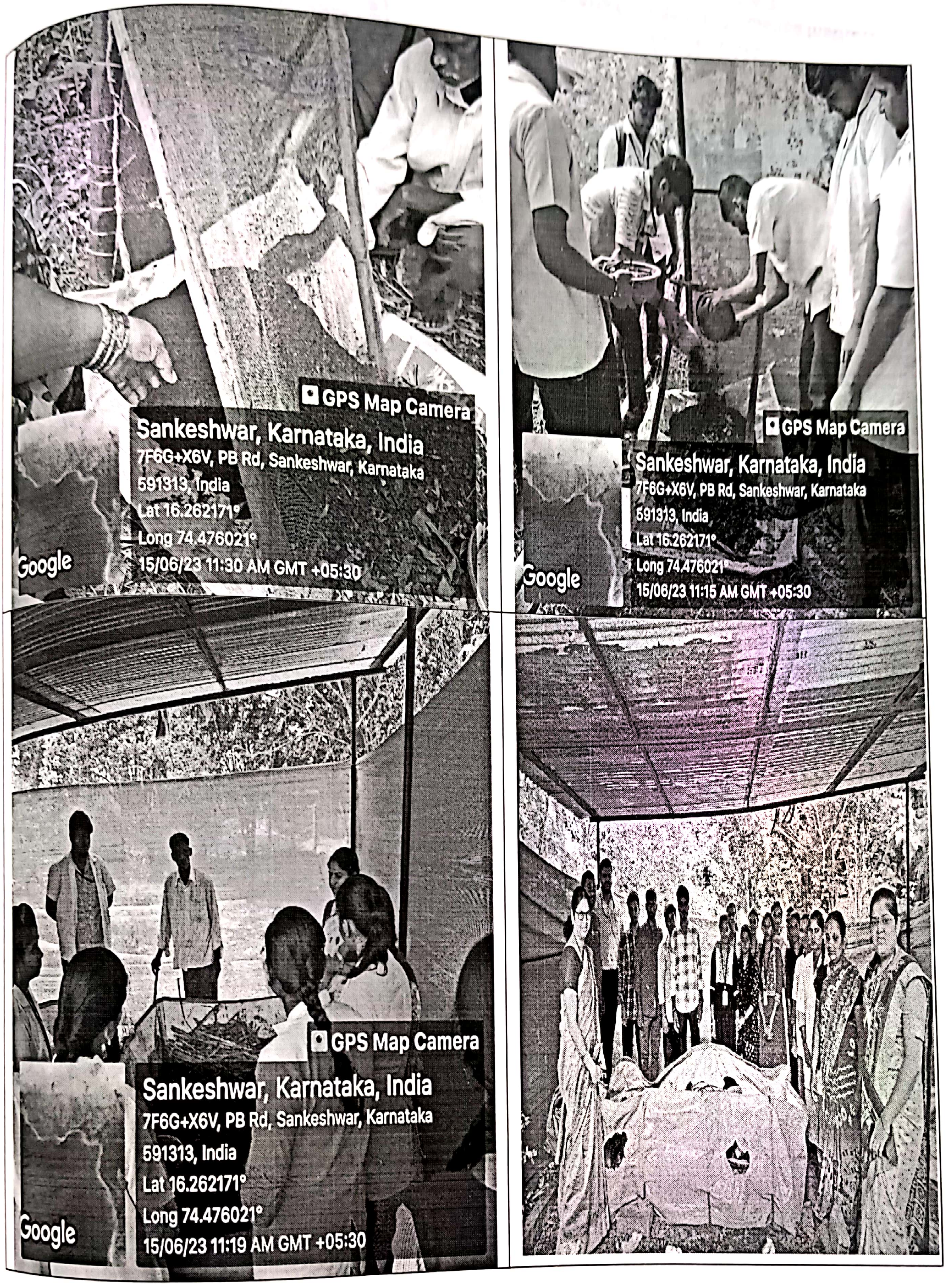
GPS Map Camera
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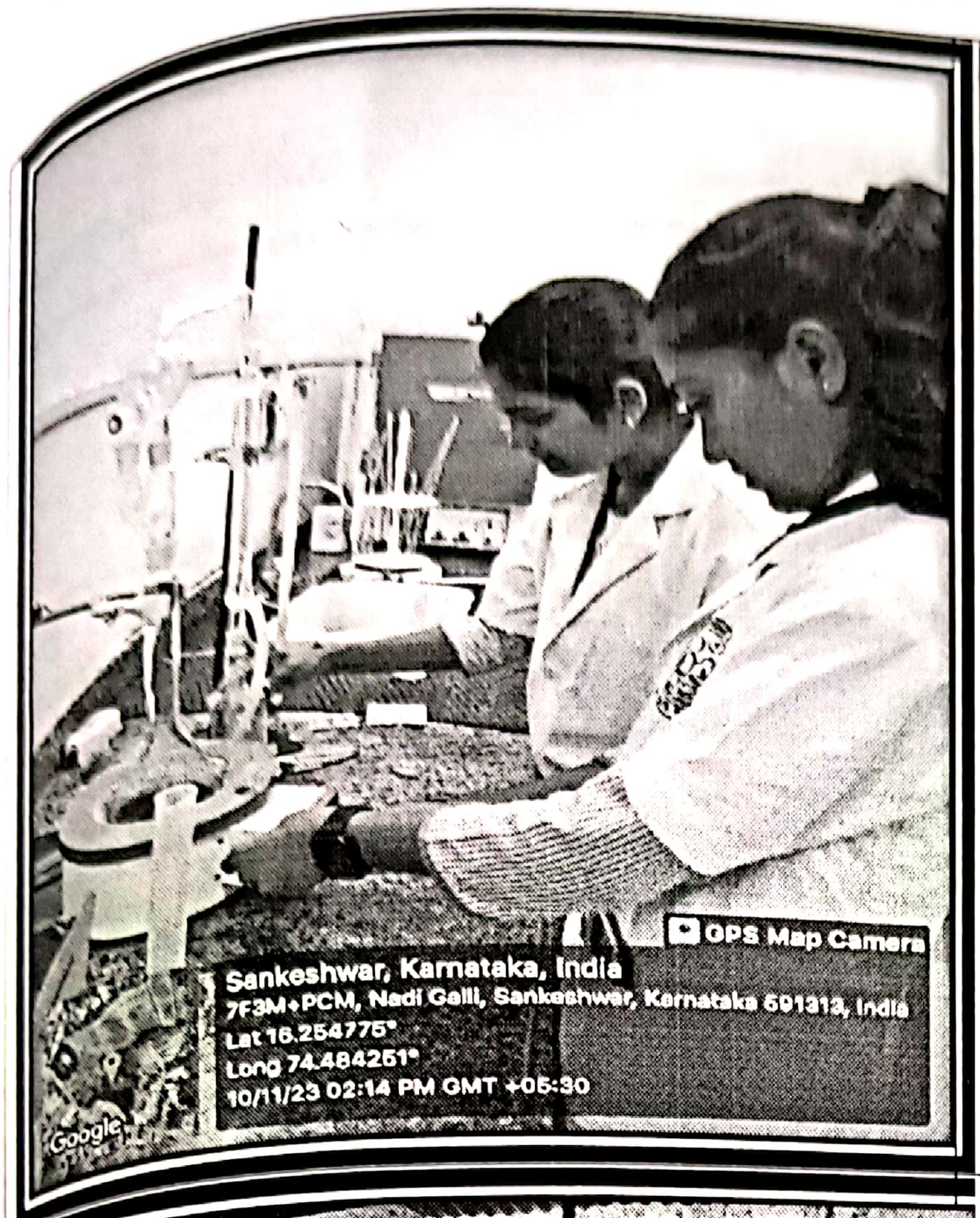

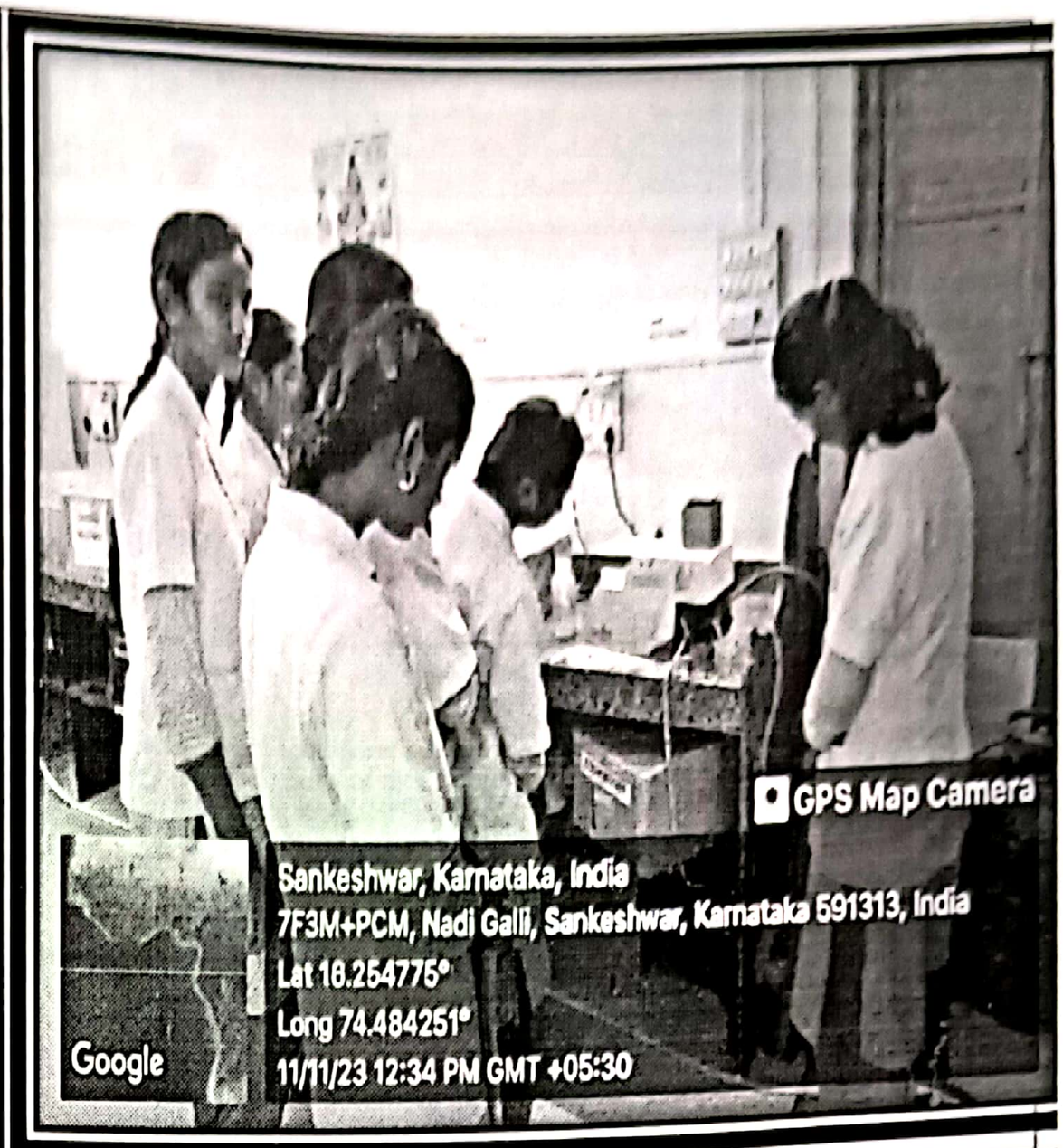

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BSc V sem students with Dr. M. C. Hosur, Scientifc Advisor, RMKAS, Sankeshwar.

S.D.V.S Sangh's

S. S. ARTS COLLEGE AND T. P. SCIENCE INSTITUTE, SANKESHWAR

Accredited at "B++" Level By NAAC

CERTIFICATE OF COMPLETION

S. S. Arts College & T. P. Science Institute SANKESHWAR. 591313

DEPARTMENT OF CHEMISTRY

in collaboration with

PLACEMENT CELL, under IQAC.

This is to certify that Mr./Miss. _____ has successfully completed self-financed certificate course on "*Vermicompost – A Bio Tool for Solid Waste management*" held from June 2023 to November 2023.

IQAC Co-ordinator	HOD Chemistry	Chairman Placement Cell	Principal

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S.D.V.S SANGH'S

S. S. Arts College & T. P. Science Institute, Sankeshwar.

Self-Financed Certificate Course - "Vermicompost - A bio tool for Solid Waste Management"

by Placement Cell & Department of Chemistry

BA/B.Sc - Attendance list 2023-24.

ERMKAK

Sl. No	Reg.No	Name of the Students	25/6	26/6	25/6	27/6	30/6	5/7	6/7	13/7	20/7	28/7	10/8	24/8	12/9	9/11	10/11	11/11
1	U15CH21S0002	DEEPA M DESAI	1	2	3	4	5	6	7	8	9	10	11	11	12	13	14	15
2	U15CH21S0005	GANGA R PATIL	1	2	3	4	5	6	7	8	9	10	11	12	13	13	14	15
3	U15CH21S0006	SHILPA S SHEKHANAVAR	1	2	3	4	5	6	7	8	9	10	12	12	13	14	15	16
4	U15CH21S0010	ASHWINI P MADIG	1	2	3	4	5	6	7	8	9	10	10	11	12	13	14	15
5	U15CH21S0011	BASAVARAJ V GHABE	1	2	3	4	5	6	7	8	9	10	10	11	12	13	14	15
6	U15CH21S0012	VEENA M NARASANNAVAR	1	2	3	4	5	6	7	8	9	10	12	13	14	15	16	17
7	U15CH21S0021	GANGADHAR S NAIK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
8	U15CH21S0025	JAYALAXMI S KAKOLI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15
9	U15CH21S0026	SOUMYA A PATIL	1	2	3	4	5	6	7	8	9	10	11	11	12	13	14	15
10	U15CH21S0029	SHWETA S MUGALI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
11	U15CH21S0033	BASAVARAJ S CHOUGALA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
12	U15CH21S0035	SUTEERTHA S HOLEPPAGOL	–	1	2	3	4	5	6	7	8	09	10	11	12	13	14	14
13	U15CH21S0037	KAVERI N CHOUGALA	1	2	3	4	5	6	7	8	9	09	10	10	11	12	13	14
14	U15CH21S0039	SUSHMEETA MADANNAVAR	1	2	3	4	5	6	7	8	9	9	10	11	11	12	13	14
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16	U15CH21S0043	SHRUTI S MUNNOLI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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20	U15CH21S0054	NINGAPPA D MARADI	–	1	2	3	4	5	6	7	8	9	10	10	11	11	12	13
21	U15CH21S0055	SARSWATI R KAMBLE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
22	U15CH21S0057	OMKAR P BHOVI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
23	U15CH21S0058	SUSHMITA S CHOUGALA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
24	U15CH21S0059	LAXMI R MUNNOLI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
25	U15CH21S0062	MAHALAXMI B DADDI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

at RMKAK for analysis.

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26	U15CH21S0063	SHWETA S INAMDAR	1	2	3	4	5	6	7	8	9	10	11	12	13	13	14	15
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28	U15CH21S0070	NASTAHEEN M ATHANI	1	2	3	4	5	6	7	8	9	10	11	12	12	13	14	14
29	U15CH21S0071	RAHUL MAGADUM	1	2	3	4	5	6	7	8	9	9	10	11	12	12	13	14
30	U15CH21S0072	ABHISHEK J KAMMAR	1	2	3	4	5	6	7	8	9	10	11	11	12	12	13	14
31	U15CH21S0075	SARATAJABI J INAMADAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	14	14
32	U15CH21S0077	SAHANA DIWAKAR	1	2	3	4	5	6	7	8	9	10	11	11	11	12	13	14
33	U15CH21S0078	SRUSTI B PATIL	1	2	3	4	5	6	7	8	9	10	11	12	12	13	14	14
34	U15CH21S0079	ROHIT KHANASE	1	2	3	4	5	6	7	8	9	10	11	11	11	12	12	13
35	U15CH21S0081	PANKAJA S JAIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
36	U15CH21S0084	SACHIN S JINARALI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
37	U15CH21S0085	SHEKHAR R MAGADUM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
38	U15CH21S0088	PRATIKSHA R MAGADUM	1	2	3	4	5	6	7	8	9	10	11	11	12	13	14	15
39	U15CH21S0100	ANUSUYA B KHANAPURI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
40	U15CH21S0101	AKSHATA R HIREMATH	1	1	2	3	5	6	7	8	9	9	10	12	13	14	15	16
41	U15CH21S0102	ANKITA A MAGADUM	1	2	3	4	5	6	7	8	9	10	10	12	13	14	15	16
42	U15CH21S0103	SHIVARANJINI BASALIGUNDI	1	2	3	4	5	6	7	8	9	10	11	11	12	13	14	15
43	U15CH21S0104	VIDYARANI PATIL	1	2	3	4	5	6	7	8	9	10	11	11	12	13	14	15

Placement cell coordinator
(Dr. Honnur Krishna)

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