



ಇ : 174/ಬೆಂಗಳೂರು

॥ ಶ್ರೀ ಮಹಾದೇವತಾಯಾ: ನಮಃ ॥

ಸಂಖ್ಯೆ: 188-04-11

ಆಡ್ಯ ಶ್ರೀ ನಿಜಲಿಂಗೇಶ್ವರ ಶಿಕ್ಷಣ ಸಂಸ್ಥೆಯು,

ಮಹಾತ್ಮಾ ಗಾಂಧೀಜಿ ಕಾನೂನು ಮಹಾವಿದ್ಯಾಲಯ

ಅನಂತ್ ವಿದ್ಯಾ ನಗರ, ಸಂಕೇಶ್ವರ - 591 313, ಕಾ || ಹುಕ್ಕೇರಿ, ಜಿ || ಬೆಂಗಳೂರು (ಕರ್ನಾಟಕ ರಾಜ್ಯ)

Aadya Shri Nijalingeshwar Shikshana Sansthe's

MAHATMA GANDHIJI LAW COLLEGE

(Affiliated by Karnataka University & Approved by Government of Karnataka & B.C.I. Delhi)
Anant Vidya Nagar, SANKESHWAR - 591 313. Tq : Hukkeri, Dist : Belagavi (Karnataka State)



ಕಂಪ್ಯೂಟರ್ ಸಂಖ್ಯೆ
Ref.No.
ತಾರೀಖು
Date

ASNSS/Memo/2020-21/21
From:
15/01/2021

College : 27465
Head Office : 27242

Collaboration Between
ASNSS's
Mahatma Gandhiji Law College, Sankeshwar
and
SDVS SANGHI'S
S S Arts College and T.P Science Institute, Sankeshwar



The collaboration is signed between S.S. Arts College and T.P Science Institute, Sankeshwar and Mahatma Gandhiji Law College, Sankeshwar in view of exchange of faculty and students of both the colleges on this day- 15-01-2021.

Both the colleges shall exchange the followings

4. Faculty exchange
5. Students exchange
6. To conduct events oblique programmes

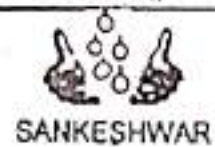
The importance of this collaboration is enhance the knowledge, it brings teams together to achieve common goals, focus on individual responsibility etc.

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

PRINCIPAL
ASNSS'S
Mahatma Gandhiji Law College
SANKESHWAR - 591313

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

Save Water, Live Better.
Malharigouda S. Patil



ನೀರನ್ನು ಉಳಿಸಿ, ಚೆನ್ನೆಯನ್ನು ಬೆಳೆಸಿ.
Former Irrigation Minister, Karnataka

जीना यहाँ मरना यहाँ भारत के रिया जाना यहाँ !
→ जिंदगी ही मरना - जो यहाँ उठिगि...। मरनायितन का यहाँ

SANJAY PATIL COLLEGE OF PHARMACY

P. O. No. 16, Anant Vidya Nagar, SANKESHWAR - 591 313 Dist. Belagavi (Karnataka)

ಆದ್ಯ ಶ್ರೀ ನಿಜಲಿಂಗೇಶ್ವರ ಶಿಕ್ಷಣ ಸಂಸ್ಥೆಯ,

ಸಂಜಯ ಪಾಟೀಲ ಔಷಧ ವಿಜ್ಞಾನ ಮಹಾವಿದ್ಯಾಲಯ

ಆಂತರಿಕ ವಿಜ್ಞಾನ ಸಂಕೇತ - 591 313 ಜಿ. ಬೆಲಗಾವಿ (ಕರ್ನಾಟಕ)

Recognized & Approved by Government of Karnataka, Drug Control Department, Pharmacy Council of India, New Delhi, AICTE New Delhi

Email: spcpnkl@gmail.com

Website: WWW.Sanjay Patil College of Pharmacy.com



STATISTICAL

876 Belgaum
992
SPCP
College Code 717

Date: 15-01-2021

Ref. No. ASNS/2021/1001-20/22

- ASNS's
A. V. Marquie Institute
- ASNS's
P. K. Kuber Kannada
Mangaluru 2 274115
- ASNS's
A. T. Panath Anantnagar
Mangaluru 2 272227
- ASNS's
Sanjay Patil College of
Pharmacy 2 273145
- ASNS's
S. B. Sarada Homoeopathic
Medical College 2 273221
- ASNS's
Banyo Shree School of
Nursing
- ASNS's
Mahatma Gandhi Law
College 2 274550
- ASNS's
S. S. Arts College 2 272725
- ASNS's
S. S. Arts College 2 272725
- ASNS's
The University Science
College 2 274115
- ASNS's
The University Arts College
2 274115
- ASNS's
The University Commerce
College 2 274115
- ASNS's
Shri. D. S. Shikshan
Hospital

Collaboration Between

ASNSS's
Sanjay Patil College of Pharmacy, Sankeshwar

And

SDVS SANGH'S
S S Arts College and T.P Science Institute, Sankeshwar

The collaboration is signed between S.S. Arts College and I.P Science Institute, Sankeshwar and Sanjay Patil College of Pharmacy, Sankeshwar in view of exchange of faculty and students of both the colleges on this day- 15-01-2021.

Both the colleges shall exchange the followings

1. Faculty exchange
2. Students exchange
3. Practical knowledge in the preparation of simple medicine.

The importance of this collaboration is enhance the knowledge, it brings teams together to achieve common goals, focus on individual responsibility etc.

PRINCIPAL

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

PRINCIPAL

Sanjay Patil College of Pharmacy
Sankeshwar-591313 (Belgaum)

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

PRINCIPAL

Save Water, Live Better.
Malharigouda S. Patil



SANKESHWAR

ನೀರನ್ನು ಉಳಿಸಿ, ಬೆಳೆಯನ್ನು ಬೆಳಸಿ
Former Irrigation Minister, Karnataka

बिना न पुराने किसीकी, ओ पढाए, ओ पढे उसकी.....! महाराजगोत्र एम्. पाटील

2020-21

C.S. TUBACHI EDUCATION SOCIETY'S
S.S.N. ARTS AND COMMERCE COLLEGE, HUKKERI
DISTRICT BELGAUM, KARNATAKA STATE

Accredited by NAAC at "B+" Level

Ref.No.SSN/HKR/2021

Date: 05.02.2021

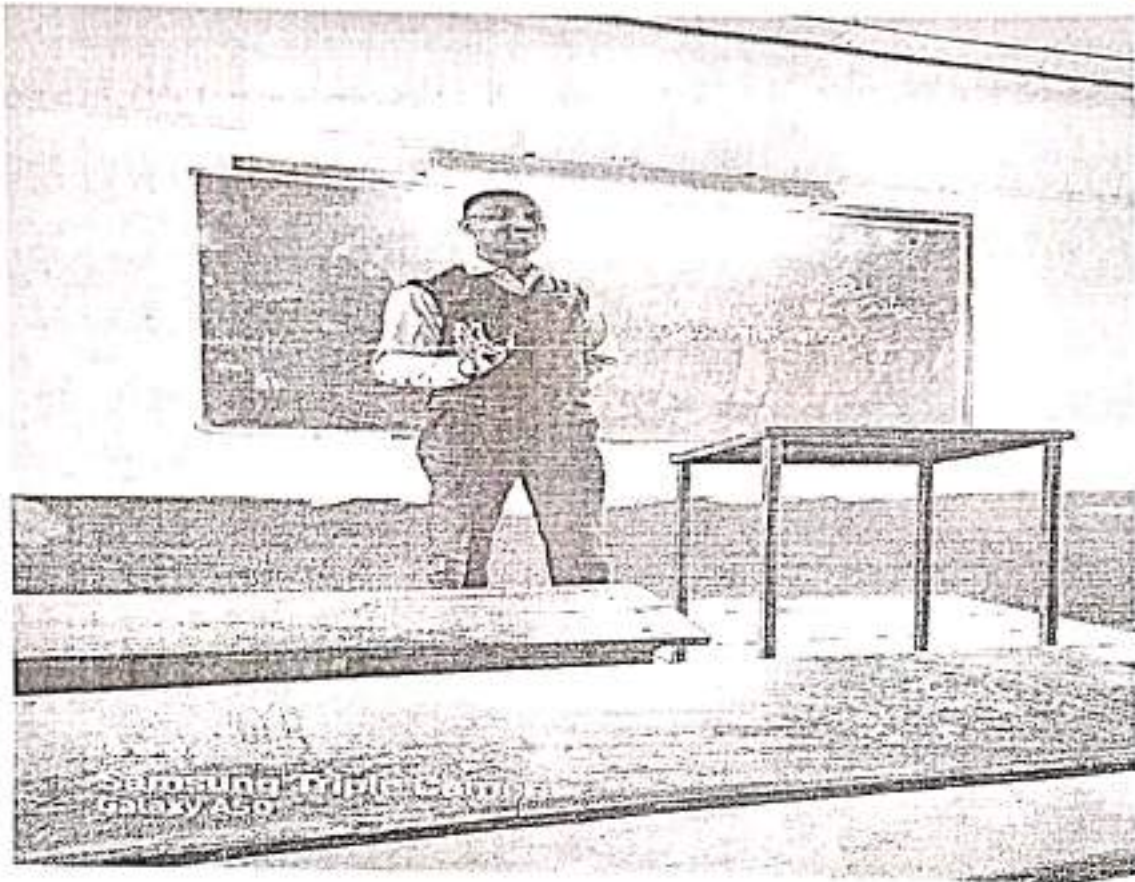
CERTIFICATE

This is to certify that Shri.G.D.Kadalagi, Lecturer in Sociology of SDVS Sangh's S S Arts College and T.P Science Institute, Sankeshwar. Under faculty exchange programme he delivered a lecture on "Causes of Changes in Caste system" to B.A-Vth sem on 05 Feb 2021. His lecture was informative and helpful to our students.




S.S.N. Arts and Commerce College
Principal






PRINCIPAL
S.S.N. Arts & Commerce College
HUKKERI



ಓಂ ಶ್ರೀ ಶಂಕರಾಚಾರ್ಯ

ಯೋಗಾ ತ್ರೈಯಂಗ ಸಂಚಾರ ಸಂಕೇಶ್ವರ

OM SHREE SHANKARACHARYA YOGA TRAINING CENTER

SANKESHWAR - 591313

Tq. Hukkeri

Dist. Belagavi

State, Karnataka

Email: nagarali@gmail.com



Ref. No:

Date: 15/11/2019

Shri. B. D. Nagarali

President

91420182019

591313

Shri. P. D. Palil

Vice President

Shri. V. S. Dollinavar

Secretary

Shri. A. J. Kurhade

Joint Secretary

Shri. A. B. Donawade

Treasurer

Shri. G. C. Naikmani

Joint Treasurer



Memorandum of Understanding between

S.D.V.S Sanghs

Om Shri. Shankaracharya Yoga Training Center Sankeshwar

and

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



This Memorandum of understanding is signed between S. S. Arts College and T. P. Science Institute, Sankeshwar, and Om Shri. Shankaracharya Yoga Training Center Sankeshwar in view of maximum utilization of available resource and also to develop awareness about Ayush 2019-20.

Both the College and Yoga Training Center Sankeshwar organize the following activities and exchange the resources.

- 1) Organizing Yoga Camps.
- 2) Motivates the students in Yoga activities.
- 3) Creating awareness about Ayush.
- 4) Conducting fitness about class.

The purpose of this memorandum of understanding is to know the importance of Yoga and Meditation in maintaining the physical, mental & health. Daily yoga increases the confidence and ability to face all types of challenges.

[Signature]
PRESIDENT

OM SHREE SHANKARACHARYA
YOGA TRAINING CENTER
SANKESHWAR, 591 313
Tq. Hukkeri Dist. Belagavi
Om Shri. Shankaracharya

[Signature]
Principal

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

[Signature]
PRINCIPAL

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

Yoga Training Center Sankeshwar

1967

☎: (08333)-273316

Fax : (08333) 274206

ಶ್ರೀ ಎ.ವಿ.ಸಿ.ಸಂಘ
ಶ್ರೀ ಶಿವರುದ್ರೇಶ್ವರ ಕಲಾ ಹಾಗೂ ವೃದ್ಧ
ಪಂಚಾಯತ ವಿಜ್ಞಾನ ಮಹಾವಿದ್ಯಾಲಯ.
ಸಂಕೇಶ್ವರ.-591 313



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

ತಾ. ಹುಕ್ಕೇರಿ ಜಿ. ಬೀದರ್ (ಕರ್ನಾಟಕ)

Tal: Hukkeri Dist: Belagavi (Karnataka State)

Accredited at B** Level by NAAC

E-Mail-aascskv@rediffmail.com

www.sstpsnk.edu.in

Ref No. _____

Date: 15/7/2019

Memorandum of Understanding between

S.D.V.S Sanghs

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

and

Success Career Academy

This Memorandum of understanding is signed between S. S. Arts College and T. P. Science Institute, Sankeshwar and Success Career Academy Sankeshwar in view of maximum utilization of available resource and also to develop career in the respective fields.

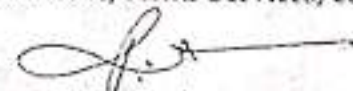
Both the College and Success Career Academy Sankeshwar organize the following activities and exchange the resources.

- 1) Exchange of faculty.
- 2) Exchange of resources.
- 3) Conducting Campus Drive.
- 4) Training the students to face Interview.
- 5) Lecture on Career opportunities.
- 6) Conducting Mock test.



The purpose of this memorandum of understanding is to know the eligibility for Job and Job opportunities in Industry, Medical Lab, Revenue, Arms Services, etc.

Manager
Success Career Academy
Sankeshwar


Principal


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

ರೈತ ಮಿತ್ರ ಕೃಷಿ ಅಭಿವೃದ್ಧಿ ಸಂಘ (ಲಿ) ಸಂಕೇಶ್ವರ
Rait Mitra Krishi Abhivruddhi Sangh (R) Sankeshwar
ಮಣ್ಣು, ನೀರು, ಎಲೆ ತಪಾಸಣೆ ಕೇಂದ್ರ,
Soil, Water, Leaf Testing Centre.

ಎಂ.ಪಿ. ಸೊಸೈಟಿ ಕಟ್ಟಡ, ಸಂಕೇಶ್ವರ-591313
ತಾ.ಹುಕ್ಕೇರಿ ಜಿಲ್ಲೆಬೆಂಗಳೂರು (ಕರ್ನಾಟಕ)

M.P. Society Building, SANKESHWAR. 591313
Tal.Hukkeri Dist:Belagovi (Karnataka State)

Ref. NO.:

Date : - 25-06-2018

Memorandum of Understanding between

S.D.V.S Sanghs

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

and

Rait-Mitra-Krushi Abhiruddi Sangh Sankeshwar.

This Memorandum of understanding is signed between S. S. Arts College and T. P. Science Institute, Sankeshwar. and Rait-Mitra-Krushi Abhiruddi Sangh Sankeshwar in view of maximum utilization of available resource and also to develop the research culture among the students since 2017-18

Both the associations organize the following laboratory works

a) Soil Analysis

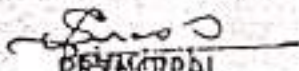
- 1) Determination of PH of Soil
- 2) Determination of Nitrogen
- 3) Determination of phosphorus by spectra-photometer
- 4) Determination of Na k by flume photometer

b) Water Analysis

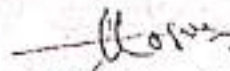
- 1) PH of water
- 2) Hardness of water [calcium and magnesium]
- 3) Carbonates and bicarbonates etc.



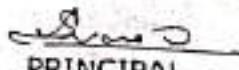
The purpose of this memorandum of understanding is to enhance practical knowledge and research culture, to carry out the projects. Certificate courses for the benefit of the stakeholders of the institutions and also farmers of the surroundings


PRINCIPAL

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



Chief Administrator
& Scientific Advisor


PRINCIPAL

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



Annasaheb Galatge Lions Blood Bank

Run by Gadhinglaj Lions Welfare Association

Doctor's Colony, Gadhinglaj, Dist. Kolhapur. (MAH) Pin. 416 502

Ph. (02327) 223100, 228355 Fax No. (02327) 223100

E-mail: annasahebg@gmail.com

Public Trust Reg. No. F.9284, Kop. Societies Reg. No. MAH 9393, Kop.



SECRETARY
Lion Er. Sunil Pattanshetli
M + 91 9681081702

PRESIDENT
Lion Er. Annasaheb Galatge
M + 91 9522354157

GL/17/1/2019



5/8/2019

Memorandum of Understanding between

**Annasaheb Galatge Lions Blood Bank, Gadhinglaj
and
S.D.V.S. Sanghs
S.S.Arts College and T.P. Science Institute, Sankeshwar.**


This Memorandum of understanding is signed between Annasaheb Galatge Lions Blood Bank, Gadhinglaj and S.S.Arts College and T.P. Science Institute, Sankeshwar. in view of maximum utilization of available resource and social assistance since 2017-18.

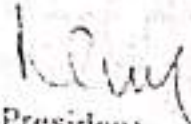
Both the Blood Bank and College organize the following activities and exchange the resources.

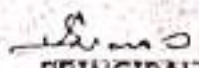
- 1) Blood Donation Camps by NSS, NCC, and Red Cross Unit.
- 2) Blood Donation On Founders day.
- 3) Blood Group check up programme for fresher's.
- 4) Distribution of Blood group Certificates to Blood Donors.
- 5) Supply of Blood on need basis or emergency.



The purpose of this Memorandum of understanding is to know the Blood group, the importance of Blood at the time of emergency and rendering the Blood service to needy to save the life.


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


President
Annasaheb Galatge Lions Blood Bank,
Gadhinglaj


PRINCIPAL

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

Estd : June 1965

Gokak Education Society's



J.S.S. Arts, Science & Commerce College, Gokak

(Aided)

Permanent Affiliation by R.C.U. Belagavi
Basaveshwar Circle, Falls Road, Gokak - 591307

Karnataka State



Dist. : Belagavi

ಜಿ. ಎಸ್. ಎಸ್ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಗೋಕಾಕ.

ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿಯಿಂದ ಸ್ಥಾಪಿತ ಸಂಯೋಜಿತ

(ಅನುದಾನಿತ)

ಐಸವೇಶ್ವರ ಸರ್ಕಲ್, ಫಾಲ್ಸ್ ರೋಡ್, ಗೋಕಾಕ - 591307

ತಾಲ್ಲೂಕು : ಬೆಳಗಾವಿ ರಾಜ್ಯ : ಕರ್ನಾಟಕ

Unaided Courses : 1. J.S.S. P.G. Departments (M.A (Economics), M.Sc. (Chemistry) (2011), M.Com, M.Sc. in Physics (2013)

Ph. : 08332 - 225141

E-mail : jssgokak@gmail.com

website : www.jssgokak.in

Ref. No. : MOU/325/2023-24

Date : 04/08/2023

To,

The Principal

SDVS Sangh's, S. S. Arts College and T. P. Science Institute

Sankeshwar-591313



Sub: MoU agreement between GE Society's J.S.S. Arts Science and Commerce College, Gokak and SDVS Sangh's, S.S. Arts College and T.P. Science Institute, Sankeshwar- reg.

Respected sir,

With reference to the above-mentioned subject, we are happy to make a memorandum of understanding with your esteemed institute. The MoU aims at having co-operation in exchange of faculty, students, research facilities, organising seminars, conferences, workshops and academic collaboration benefiting both the institutions.

We look forward for the positive response.

Thanking you,

Your faithfully



Acharya
PRINCIPAL



MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN

**G. E. SOCIETY'S J. S. S. ARTS, SCIENCE AND COMMERCE COLLEGE,
GOKAK - 591307**



AND

**S.D.V.S. SINGH'S S. S. ARTS COLLEGE AND T. P. SCIENCE INSTITUTE,
SANKESHWAR - 591313**



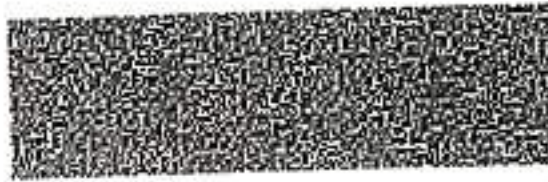
INDIA NON JUDICIAL



Government of Karnataka

e-Stamp

Certificate No. : IN-KA47460524289784V
Certificate Issued Date : 04-Aug-2023 12:46 PM
Account Reference : NONACC (FI)/ kakscl08/ GOKAK4/ KA-BL
Unique Doc. Reference : SUBIN-KAKAKSFCL0870556473646281V
Purchased by : J S S ARTS SCIENCE AND COMMERCE COLLEGE GOKAK
Description of Document : Article 12 Bond
Description : AGREEMENT
Consideration Price (Rs.) : 0
(Zero)
First Party : J S S ARTS SCIENCE AND COMMERCE COLLEGE GOKAK
Second Party : SDVS SANGHS SS ARTS COLLEGE AND TP SCIENCE INS SNK
Stamp Duty Paid By : J S S ARTS SCIENCE AND COMMERCE COLLEGE GOKAK
Stamp Duty Amount(Rs.) : 100
(One Hundred only)



MEMORANDUM OF UNDERSTANDING (MoU)

Between

J.S.S. Arts, Science and Commerce College, Gokak

and

S.D.V.S. Sangh's, S. S. Arts College and T. P. Science Institute, Sankeshwar



THIS MEMORANDUM OF UNDERSTANDING (MoU) is executed at Gokak on this 04th August, 2023 by and between J.S.S. Arts Science and Commerce College, Gokak, aided undergraduate College, declared by the Government of India Under 12(f) and 12(B) of UGC Act, 1959, having its registered office at Gokak, India and represented by its Principal Dr. Ashalata S. Teradal, hereinafter referred to as 'JSSGKK' (which expression shall, where the context so admits, mean and include its successors, representatives and permitted assigns) of the One Part; and S. S. Arts College and T. P. Science Institute, Sankeshwar, aided undergraduate College, declared by the Government of India under 2(f) and 12(B) of UGC Act, 1959, having its registered office at Sankeshwar, India and represented by its Principal Shri. P. B. Burji, hereinafter referred to as 'SSTPS' (which expression shall, where the context so admits, mean and include its successors, representatives and permitted assigns) of the Other Part (hereinafter collectively referred to as "the parties" and individually as "the party") WITNESSETH AS FOLLOWS:

WHEREAS, 'JSSGKK' being a pioneer educational institution, which is affiliated to the Rani Channamma University, Belagavi. It is a multi-faculty Institute with nearly two thousand students, running undergraduate programs in Arts, Science, Commerce and Management along with five Postgraduate programs. The college has well equipped science laboratories, library, computer laboratory and gymnasium. JSSGKK being actively involved in research and development activities. Alumni of JSSGKK have occupied key positions in all the fields.

AND WHEREAS, 'SSTPS' one of the most reputed colleges of Karnataka with the state-of-the-art infrastructure. It is affiliated to Rani Channamma University, Belagavi. SSTPS focus on soft skills and all-round personality development of the students. It has many facilities like hostels for boys and girls, canteen and many more for the students who are our primary stakeholders. The renewed playground, multi gym with 16 stations has enriched the scope for all round development of students' personality. It has a lush green campus and eco-friendly campus which has created natural ambience for blossoming of innovative ideas.

AND WHEREAS both the Institutions work with objectives to enhance quality of teaching and learning process, research and extension of services to the society at large and whereas both JSSGKK and SSTPS are convinced about the mutual benefit for forging formal linkage to develop collaborative teaching and research programmes in the areas of their core



competence with special focus on physico-chemical properties of newly explored nanomaterials and their applications, preparation of organic compounds, metal complexes and study of their biological activity. Enzyme assay and enzyme kinetics, aptamers, computational studies, corrosion studies, Bio-molecule interaction, analytical method development and its evaluation like challenges in the research of soil and water.

NOW, therefore, in consideration of the premises and mutual covenants hereinafter contained, the parties hereto agree as follows:

1.0. Objectives of collaboration

- 1.1. To collaborate and co-operate with each other in order to improve the quality of teaching, training and research activities.
- 1.2. To provide for exchange of students and other researchers of one Institution with the other Institution
- 1.3. To provide opportunities for both faculty members and students to use the expertise and facilities available in both Institutes through training of students / staff and through exchange of thoughts by brain storming sessions / seminars / workshops and conferences.
- 1.4. To share research infrastructure and expertise available at both the Institutes under mutually agreed frameworks.
- 1.5. To jointly publish research papers in reputed National and International Journals.
- 1.6. To work jointly for the common research interest at National and International level.

2.0. Areas of collaboration

The institutes herein have, after considering their objectives and strengths to work together and collaborate in the common areas of interest.

2.1.0. Twinning academic programmes

- 2.1.1. To facilitate to run programmes in a twinning mode by exchanging faculties and students between JSSGKK and SSTPS.

2.2.0. Joint study programmes

- 2.2.1. JSSGKK and SSTPS may submit joint research proposals to National and International funding agencies in the areas of scientific research. For this purpose, roles and responsibilities of participating faculty members will be finalized on mutual



discussion between the parties hereto in advance and confirmed by exchange of communications.

2.2.2. The procedural aspects of collaboration including financial obligations of each of the parties hereto shall be finalized on mutual discussion in respect of each specific project under this MOU and a separate agreement containing specifications and conditions therefore will be executed between the parties hereto.

2.3.0. Joint study programmes

2.3.1. UG and PG students working at JSSGKK will be allowed to carry out a part of their research project work (if required) at a selected department in SSTPS, vice-versa depending upon specific requirements.

2.3.2. Mobility of Professors / Faculty of JSSGKK and SSTPS and vice-versa for collaborative research exchange programme will be encouraged.

3.0. Confidentiality

3.1. Both parties hereunder agree that any information disclosed by one party to the other while carrying out collaborative activities under this MoU shall be maintained as required in the relevant statutory regulations and to those persons in the recipient party's organization on a 'need to know' basis only.

3.2. All such proprietary confidential information will be kept in confidence and the party receiving the confidential information agrees not to disclose to any other person or persons outside the organization or any unauthorized person or persons except to the organization authorized by either of the parties hereunder on 'need to know' basis for the execution of the collaborative work.

4.0. Intellectual property rights (IPR) protection

4.1. IPR generated during the activities under the MoU shall be shared jointly. The extent of ownership shall be decided mutually depending upon the relative level of intellectual inputs made by the parties.

4.2. The expenditure incurred and to be incurred for the maintenance of IPR shall be borne by each party equally or in proportion to the extent of ownership as may be decided by authorized authorities of JSSGKK and SSTPS mutually.

4.3. Both parties shall not file any application for seeking IPR / patent in its own name or in the name of its associates or any other person(s) on any matter relating to the



information developed under this MoU. However, they can seek intellectual property rights on joint names of the parties as may be mutually agreed, on case-to-case basis.

4.4. The above principles will apply to all the activities of IPR such as patenting, technology transfer and commercialization of invention developed out of the activities covered under this MoU.

5.0. Publication

5.1. Publications, if any, in respect of the activities covered under this MoU shall be in the names of involved personnel from both parties. In all publications (research papers, review papers, reports, etc.) it will be duly acknowledged that the work has been carried out by JSSGKK and SSTPS under this MoU between the parties.

5.2. All ethical guidelines of research publication existent at both the Institutions will be followed strictly.

6.0. Financial Commitment

6.1. This MoU, being a co-operative and collaborative understanding for academic excellence and enhancement of quality of research activities, shall not create any legal and / or financial commitment whatsoever on either of the parties hereto, except as may be provided in activity-specific agreement(s) that may be entered into subsequently.

7.0. Implementaion and monitoring

7.1. The steering Committee will monitor the progress of collaborative activities under the MoU on a yearly basis and compliance of the terms and conditions specified therefor and furnish a progress report to the top Management of of each Institution once in a year.

8.0. Term and Termination

8.1. This MoU will be in force for a period of five years from the date of signing of the same and thereafter may be renewed for further period of five years subject to such other terms and conditions as may be mutually agreed upon.

8.2. Notwithstanding sub-clause 7.1., this MoU may be terminated by either party by issuing a two months notice in writing to the other party prior to the desired termination date. However, both parties agree that all continuing obligations to



students, staff, funding bodies or other entities are met in full subsequent to the notice of termination.

9.0. Notices

9.1. All notices and other communications required to be served under the terms of this MoU, shall be considered to be duly served, if the same is delivered at or posted by registered mail addressed to the Principal, JSSGKK 591307 and delivered at or posted by registered mail addressed to SSTPS 591313.

10.0. Force Majeure

10.1. Any of the parties hereto shall not be released from its obligations for any reason except for force majeure such as war, strike, fire, act of God or other causes beyond the control of the parties.

11.0. Miscellaneous

11.1. No modification to this MoU shall be binding unless it is made in writing and signed by both parties.

11.2. If any provision of this MoU is held by any Court or other competent authority to be illegal, void or unenforceable in whole or in part, this MoU shall continue to be valid in respect of the other provisions thereof.

11.3. Nothing in this MoU shall constitute, or be construed, a party as the partner, agent, employee or representative of the other party. Either of the parties hereto must not act independently of the other Party and does not have the right or power to commit the other Party on any matter or incur any obligation on behalf of the other party without prior written approval of the other Party.

11.4. Each of the parties hereto agrees to comply with all laws applicable to the party concerned in respect of the activities undertaken in pursuance of this MoU.

12.0. Arbitration and Jurisdiction

12.1. Any dispute arising out of or in connection with this Memorandum of Understanding or relating to its enforcement will be resolved by the parties hereto amicably. However, if the dispute remains unresolved, it shall be referred to an Arbitrator to be appointed by mutual consent of both the parties.



12.2. The place of arbitration shall be at JSSGKK or SSTPS and the arbitration proceedings shall be as provided under the Arbitration and Conciliation Act, 1996.

The decision of the Arbitration shall be final and bonding upon both the parties.

12.3. All legal disputes shall be subjected to the jurisdiction of the Courts in Gokak.

IN WITNESS WHERE OF THE PARTIES HERETO HAVE EXECUTED THIS MoU ON THE DATE SET FORTH ABOVE.

(i) For and on behalf of GE Society's J. S. S. Arts, Science and Commerce College, Gokak 591307

(ii) For and on behalf of SDVS Sangh's, S. S. Arts College and T. P. Science Institute, Sankeshwar-591313

Ashwini
Name: Dr. Ashwini S. Teradal
Position: Principal, GE Society's & J. S. S. Arts, Science and Commerce College, Gokak 591307

Kunika
Name: Shri. P. H. Guraj
Position: Principal, SDVS Sangh's, S. S. Arts College and T. P. Science Institute, Sankeshwar-591313

Witnesses:

Witnesses:

1. Dr. R.S. Bhatgal
R.S. Bhatgal

1. *M.R. Prasad*

2. Dr. P. P. Kathirmani
P.P. Kathirmani

2. Dr. V.A. Edalli
V.A. Edalli

ASSISTANT PROFESSOR
DEPARTMENT OF CHEMISTRY
J.S.S. Arts, Science & Commerce College
Gokak 591307





ಎಸ್. ಡಿ. ವಿ. ಎಸ್. ಸಂಘದ

Estd : 1967

ಎಸ್. ಎಸ್. ಆರ್ಟ್ಸ್ ಕಾಲೇಜು & ಟಿ. ಪಿ. ಸಾಯನ್ಸ್ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್,
ಸಂಕೇಶ್ವರ - 591 313

ತಾ: ಹುಳಗುರಿ

ದ. ಬೆಲಗಾವಿ (ಬೆಲಗಾವಿ)

Accredited at B** Level by NAAC

☎: (08333)-295238

E-Mail-aascskv@rediffmail.com

Website : www.sstpsnk.edu.in

Ref No. _____

Date : 05-08-2023

To,

Dr. Rajeshwari H. V.
Assistant Professor,
Department of Chemistry,
J. S. S. College,
Gokak - 591307
Belagavi District
Karnataka.

Dear Madam,

With pleasure, on behalf of Department of Chemistry and Placement Cell, I would like to thank you whole heartedly for delivering the most amazing and highly insightful presentation and conducting the workshop on "Candle making and Detergent preparation" for our students on Saturday, 05th August 2023.

The workshop was informative and worthwhile. Our students actively participated and took hands-on training on candle making and detergent preparation. The workshop was very much helpful as far as skill enhancement is concerned.

With regards

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



ಎಸ್. ಡಿ. ವಿ. ಎಸ್. ಸಂಘದ

Estd : 1967

ಎಸ್. ಎಸ್. ಆರ್ಟ್ಸ್ ಕಾಲೇಜು & ಟಿ. ಪಿ. ಸಾಯನ್ಸ್ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್,
ಸಂಕೇಶ್ವರ - 591 313

ಪಾ: ಮಂಗಳೂರು

ಬಿ. ಬಿ. ಆರ್ಟ್ಸ್ (ಕರ್ನಾಟಕ)

Accredited at B** Level by NAAC

☎: (08333)-295238

E-Mail-aascskv@rediffmail.com

Website : www.sstpsnk.edu.in

Ref No. _____

Date : 05.08.2023

ATTENDANCE CERTIFICATE

This is to certify that, Dr. Mrs Rajeshwari H. V. Assistant Professor, Department of Chemistry, J. S. S. College, Gokak – 591307, Belagavi District, Karnataka has conducted a workshop on "Candle making and Detergent preparation" for our students on Saturday, 05th August, 2023. The workshop was very much helpful as far as skill enhancement is concerned.

PRINCIPAL
S. S. Arts College & T. P. Science Instit.
SANKESHVAR



Gokak Education Society's
J.S.S. Arts, Science and Commerce College, Gokak
NAAC Accredited with 'A' (Third Cycle)
Affiliated to Rani Channamma University Belagavi since 2010
(Previously Affiliated to Karnatak University Dharwad since inception)
Recognized by UGC Under Section 2(f) and 12 (B). Estd. In 1965.



Faculty Exchange programme 2021-22



Name of the Department	Chemistry					
Name of the Event Organized	Guest Lecture					
Title of the Event	Guest Lecture on the topic "Bio-inorganic chemistry"					
Date of the Event Organized	19/08/2023					
Place of the Event Organized	J.S.S. College, Tq.: Belagavi					
Name of the Conveners	Dr. P. P. Kattimani					
Total Participants	More than hundred participants					
Number of Participants	Total	135	Teachers	10	Students	125
Name of the Expert with Designation	Dr. Honnur Krishna., Assistant Professor in Chemistry					
Address and Contact of the Expert	S.D.V.S. Sangh's S.S. Art's College and T. P. Science Institute Sankeshwar- 591313					
Objectives of the Event	✓ Faculty exchange programme ✓ To understand the basics and applications of Bio-inorganic chemistry					
Outcome of the Event	About 135 students and teacher participants were benefited by the guest lecture.					

Photo Gallery



About 135 participants including student and teacher participants of J. S. S. College, Gokak, were benefited by the guest lecture delivered by Dr. Honnur Krishna described in detail.




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DEPARTMENT OF CHEMISTRY

EVENT: GUEST LECTURE

Date : 19-08-2023

TOIPC: "Bioinorganic chemistry"

Attendance sheet

Sl No.	Student Participant Name	Course	Signature
1	Rajeshwari M. Katti	B.Sc	Rajeshwari
2	Charitra. M. Aiduddi	BSC	Charitra
3	Kavita K. Nidasosi	B.Sc	Kavita
4	Sunita R. Hangandi	BSC	Sunita
5	Tulasa S. Tejada	BSC.	Tulasa
6	Fatimabi A. Shaikh	BSC	Fatimabi
7	Wasya T. Kumbhari	BSC.	Wasya
8	Vidyaashree N. Kattamani	BSC	Vidyaashree
9	Asha. N. Hadimani	BSC	Asha
10	Kavita S. Pujeri	BSC	Kavita
11	Bhimambika M. Durgapujeri	BSC	Bhimambika
12	Rhavya R. Manwarik	Bsc	Rhavya
13	Deepa C. Pujeri	BSC	Deepa
14	Spoorthi B. Kadakol	BSC	Spoorthi
15	Rohini L. Bhandi	BSC	Rohini
16	Supriya N. Bandiwaddan	BSC	Supriya
17	Rohini R. Kamble	B.SC	Rohini
18	Sarawati S. Malavi	BSC	Sarawati
19	Deepa D. Scervi	BSC	Deepa
20	Ranjita L. Antaragatti	B.SC	Ranjita
21	Vaishnavi M. Ganachari	B.Sc	Vaishnavi
22	Amruta M. Kulkarni	BSC	Amruta
23	Devika B. Pujeri	B.Sc	Devika
24	Deepa P. Jodangi	BSC	Deepa
25	Anita Y. Jagannathan	BSC	Anita
26	Parbatmubera B. Bojagar	BSC vitem	Parbat
27	Khuteja Y. Mulla	BSC	Khuteja
30	Kousarnabika G. Shah	BSC	Kousarnabika



IQAC COORDINATOR
 CHEMISTRY
 J.S.S. College, Gokak

IQAC COORDINATOR



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



UNION Education Society's
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DEPARTMENT OF CHEMISTRY

EVENT: GUEST LECTURE

TOIPC: "Bioinorganic chemistry"

Attendance sheet

Date: 19-08-2022

Sl No.	Student Participant Name	Course	Signature
1	Sushma. S. Pujeri	BSc VI	S.S. Pujeri
2	Sushmita. T. Kamat	B.Sc VI	S. T. Kamat
3	Shilpa. S. Patagund	B.Sc VI	S. Patagundi
4	Komal. B. Maledavar	B.Sc VI	Komal Maledavar
5	Vijayalaxmi. B. Ndin	BSc VI	Vijayalaxmi
6	Jyoti M. Patted	BSc VI	Jyoti Patted
7	Shivani. Darahi	BSc VI	Shivani Darahi
8	Sujeen N. Mizjannavar	BSc VI	Sujeen N. Mizjannavar
9	Swati. Y. Nark	BSc VI	Swati Y. Nark
10	Priyanka N. Tallur.	BSc VI	Priyanka N. Tallur
11	Padmashree. S. Belavi	BSc VI	Padmashree S. Belavi
12	Vijayarami. S. Hukkund	BSc VI	Vijayarami S. Hukkund
13	Pabbavati. V. Maddi	BSc VI	Pabbavati V. Maddi
14	Nagaveni. C. Purnade	BSc VI	Nagaveni C. Purnade
15	Deepa. S. Hadaginal	BSc VI	Deepa S. Hadaginal
16	Mahesh. V. Karnble	BSc VI	Mahesh V. Karnble
17	Ramesh. H. Hulakund	B.Sc VI	Ramesh H. Hulakund
18	Pundalik H. Totagi	BSc VI	Pundalik H. Totagi
19	Sudeep M. P	BSc VI	Sudeep M. P
20	Kiran B. Khamppagal	BSc VI	Kiran B. Khamppagal
21	Nagaraj. P. Badiger	BSc VI	Nagaraj P. Badiger
22	Pradeep. L. Bandi	BSc VI	Pradeep L. Bandi
23	Krishnaji. L. Gadadi.	BSc VI	Krishnaji L. Gadadi
24	Bharamappa. M. Singadi	B.Sc -VI	Bharamappa M. Singadi
25	Somer. K. Nudaf	B.Sc -VI	Somer K. Nudaf
26	Prajwal. L. Mayannavar.	B.Sc -VI	Prajwal L. Mayannavar
27	Vishalo. A. Somadi	B.Sc -VI	Vishalo A. Somadi
30	Chidambal. S. Huchchamavar	B.Sc VI	Chidambal S. Huchchamavar

HEAD OF DEPT
 CHEMISTRY
 J.S.S. College, Gokak

IQAC COORDINATOR



PRINCIPAL
 J.S.S. Degree Arts, Science & Commerce College, GOKAK



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



GOKAK Education Society's
J.S.S. Arts, Science and Commerce College, Gokak
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 Recognized by UGC Under Section 2(f) and 12 (B). Estd. In 1965.



DEPARTMENT OF CHEMISTRY
EVENT: GUEST LECTURE
TOPIC: "Bioinorganic chemistry"
Attendance sheet

Date: 19-08-2022

Sl No.	Student Participant Name	Course	Signature
1	Manjunath B. Patilnashetti	BSC	M. Patil
2	Ravi H. Pujashetti	BSC	R. Pujashetti
3	Laxman J. Nalagi	BSC	L. Nalagi
4	Shivanand G. Neginad	BSC	S. Neginad
5	Bhimeshappa M. Adibatti	BSC	B. Adibatti
6	Lagomanna B. Kamal	BSC-VI	L. Kamal
7	Dunduh N. Kareppagol	B.SC-VI	D. Kareppagol
8	Tranna M. Kapsar	B.SC	T. Kapsar
9	Jyotibha. Vagmudi	BSC VI	J. Vagmudi
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HEAD DEPARTMENT
 CHEMISTRY
 J.S.S. College, Gokak

IQAC COORDINATOR



PRINCIPAL
 J.S.S. Degree Arts, Science
 Commerce College, GOKAK.



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



GPS Map Camera
Gokak, Karnataka, India
5R78+PPG, Gokak, Karnataka 591307, India
Lat 16.164452°
Long 74.816912°
19/08/23 10:32 AM GMT +05:30



GPS Map Camera
Gokak, Karnataka, India
5R78+PPG, Gokak, Karnataka 591307, India
Lat 16.164436°
Long 74.816956°
19/08/23 10:42 AM GMT +05:30



Estd : June 1965



J.S.S. Arts, Science & Commerce College, Gokak

Permanent Affiliation by R.C.U. Belagavi
Basaveshwar Circle, Falls Road, Gokak - 591307

(Aided)

Karnataka State



ಪಿ. ಎನ್. ಎನ್ ಕಲಾ, ಬಿಜ್ಜಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಗೋಕಾಕ.

ಕಾನೇ ಕನ್ನಡ್ಕು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿಯಿಂದ ಅಧಿಕೃತ ಸಂಯೋಜನೆ
ಉಪವಿಭಾಗದ ಸರ್ಕಲ್, ಫಾಲ್ಸ್ ರೋಡ್, ಗೋಕಾಕ - 591307
ಜಿಲ್ಲಾ : ಬೆಳಗಾವಿ ರಾಜ್ಯ : ಕರ್ನಾಟಕ

(ಅನುದಾನಿತ)

Unaided Courses : 1. J.S.S. B.B.A College, Gokak (1997-98)

2. J.S.S. P.G. Departments (M.A (Economics), M.Sc. (Chemistry) (2011), M.Com, M.Sc. In Physics (2013)

Ph. : 08332 - 225141

E-mail : jssgokak@gmail.com

website : www.jssgokak.in

Ref. No. : 344/2023-24

Date : 18/08/2023

INVITATION LETTER

To,

Dr. Honnur Krishna

Assistant Professor

Department of Chemistry

S.D.V.S. Sangh's S.S. Art's College and T. P. Science Institute

Sankeshwar - 591313

Sub: Invitation to deliver a guest lecture on the topic the
"Bioinorganic Chemistry" for B.Sc. VI Sem. students as a part
faculty exchange activity under MOU.

Dear Sir,

We are extremely privileged and happy to invite you, to deliver a
guest lecture on the topic "Bioinorganic Chemistry" for B.Sc. VI Sem.
students on 19th Aug 2023 in our esteemed college, as a part faculty
exchange activity under MOU. We request you to kindly accept our
invitation.

Thanking you,



Yours faithfully,

Ashley
PRINCIPAL
J.S.S. Degree Arts, Science &
Commerce College, GOKAK.

Estd : June 1965



J.S.S. Arts, Science & Commerce College, Gokak

Dist. : Belagavi

Gokak Education Society's
Permanent Affiliation by R.C.U. Belagavi
Basaveshwar Circle, Falls Road, Gokak - 591307

Karnataka State



ಜೆ. ಎಸ್. ಎಸ್ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಗೋಕಾಕ.

ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿಯಿಂದ ಶಾಶ್ವತ ಸಂಯೋಜನೆ
ಬಸವೇಶ್ವರ ಸರ್ಕಲ್, ಫಾಲ್ಸ್ ರೋಡ್, ಗೋಕಾಕ - 591307
ಜಿಲ್ಲಾ : ಬೆಳಗಾವಿ ರಾಜ್ಯ : ಕರ್ನಾಟಕ

(ಅನುದಾನಿತ)

Unaided Courses : 1. J.S.S. B.B.A College, Gokak (1997-98)

2. J.S.S. P.G. Departments (M.A (Economics), M.Sc. (Chemistry) (2011), M.Com, M.Sc. in Physics (2013)

Ph. : 08332 - 225141

E-mail : jssgokak@gmail.com

website : www.jssgokak.in

Ref. No. : _____

Date : 19/08/2023

ATTENDANCE CERTIFICATE

This is to certify that Dr. Honnur Krishna, Assistant Professor in Department Of Chemistry, S.D.V.S. Sangh's S.S. Art's College and T. P. Science Institute, Sankeshwar - 591 313 has delivered a Guest Lecture on the topic "Bioinorganic Chemistry" for B.Sc. VI Sem. students on 19th Aug 2023 in our esteemed college, as a part of faculty exchange activity under MOU.



Arund
PRINCIPAL
PRINCIPAL
J.S.S. Degree Art s, Science &
Commerce College, GOKAK.



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Estd : 1

ಎಸ್. ಎಸ್. ಆರ್ಟ್ಸ್ ಕಾಲೇಜು & ಟಿ. ಪಿ. ಸಾಯನ್ಸ್ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್,
ಸಂಕೇಶ್ವರ - 591 313

ಫಾ: ಕಾಠೀಗರಿ

ಠ. ಬೆಲಗಾವಿ (ಬೆಲಗಾವಿ)

Accredited at B** Level by NAAC

Website : www.sstpsnk.edu.in

☎: (08333)-295238

E-Mail-aascskv@rediffmail.co

Ref No. _____

Date : 05.08.2023

To,


Dr. Pramod P. Kattimani
Assistant Professor,
Department of Chemistry,
J. S. S. College,
Gokak - 591307
Belagavi District
Karnataka.

Dear Sir,

With pleasure, on behalf of Department of Chemistry and Placement Cell, I would like to thank you whole heartedly for delivering the most amazing and highly insightful presentation and conducting the workshop on "Candle making and Detergent preparation" for our students on Saturday, 05th August 2023.

The workshop was informative and worthwhile. Our students actively participated and took hands-on training on candle making and detergent preparation. The workshop was very much helpful as far as skill enhancement is concerned.

With regards


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



ಎಸ್. ಡಿ. ಎಸ್. ಎಸ್. ಸಂಘದ
ಎಸ್. ಎಸ್. ಆರ್ಟ್ಸ್ ಕಾಲೇಜು & ಟಿ. ಪಿ. ಸಾಯನ್ಸ್ ಇನ್‌ಸ್ಟಿಟ್ಯೂಟ್,
ಸಂಕೇಶ್ವರ - 591 313
ದ. ಬೆಲಗಾವಿ (ಬೆಲಗಾವಿ)

Estd : 19

ಪಾ: ಹುಳೇರಿ

Accredited at B** Level by NAAC

☎: (08333)-295238

E-Mail-aascskv@rediffmail.co


Website : www.sstpsnk.edu.in

Ref No. _____

Date : 05.08.2023

ATTENDANCE CERTIFICATE

This is to certify that, **Dr. Pramod P. Kattimani**, Assistant Professor, Department of Chemistry, J. S. S. College, Gokak – 591307, Belagavi District, Karnataka has conducted a workshop on “Candle making and Detergent preparation” for our students on Saturday, 05th August, 2023. The workshop was very much helpful as far as skill enhancement is concerned.


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

S.D.V.S. Sangh's
S. S. Arts College & T. P. Science Institute,
Sankeshwar. – 591313
Tal : Hukkeri Dist : Belgaum (Karnataka)



Accredited at "B⁺⁺" Level by NAAC

One Day Workshop
on

**CHEMISTRY OF SOAP
PREPARATION**

"Motto of the workshop "Earn while learning"

under
Internal Quality Assurance Cell initiative

Organized
by

PLACEMENT CELL

in collaboration
with

DEPARTMENT OF CHEMISTRY

14-08-2023



S.D.V.S. Sangh's
S. S. Arts College & T. P. Science Institute, Sankeshwar.

One Day Workshop on
“Chemistry of Soap Preparation”

Date of the activity	14-08-2023
Organizing Department	DEPARTMENT OF CHEMISTRY
Name of the Resource persons	Dr. Vijayalakshmi Edalli Assistant Professor, Department of Chemistry, SDVS Sangh, SSTP College, Sankeshwar.
Name of the President	Shri. P. B. Burji , Principal, SSTP College, Sankeshwar.
No. of teachers participated	10
No. of students participated	30
Collaborating Agency	PLACEMENT CELL SSTP College, Sankeshwar.
Impact of the activity	<ul style="list-style-type: none">➤ Motto of the workshop “Earn while learning”.➤ Experiential learning of preparation of soap.➤ The chemistry of soap solution preparation and the mechanism of formation.➤ Types of soaps as solid soaps and liquid soap solutions.➤ The fragrance of the materials added to the soap preparation.➤ The practical skills required for the preparation of soap.➤ Created awareness about the self-employment opportunities and practical skills through value added products.➤ Some of the important practical outcomes of the this workshop are the following<ul style="list-style-type: none">✓ The design and methodology of the soap preparation.✓ The synthetic procedure of preparation of soaps.✓ The art of preparing different colored soap solutions.✓ The physico-chemical mechanism of action of soap in the dirt removal process.✓ Preparation of the soap by plant derived extracts.➤ Role of these skills in self-economic growth and development.➤ Students are very happy and excited to perform and prepare the soap by themselves.




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

Estd: 1967



S.D.V.S. Sangh's
S. S. Arts College & T. P. Science Institute

Sankeshwar – 591313, Dist. Belagavi (Karnataka)

Accredited at "B⁺⁺" Level by NAAC

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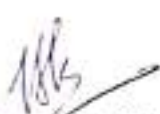
(08333): 273316


Fax: (08333): 274206

Date: 10.08.2023

NOTICE:

It is hereby informed to all the B.A and B.Sc final students that there will be one day workshop on the topic of "*Chemistry of Soap Preparation*" organized by the department of chemistry and placement cell under IQAC on 14-08-2023 at department of chemistry laboratory. Anyone who is interested may enroll their names to Dr. Honnur Krishna, Placement Cell Officer, Department of Chemistry, SSTP College on or before 12-08-2023.


Placement Cell
Chairman


HOD
(Chemistry)


Principal
S. S. Arts College & T.P. Science institute
SANKESHWAR





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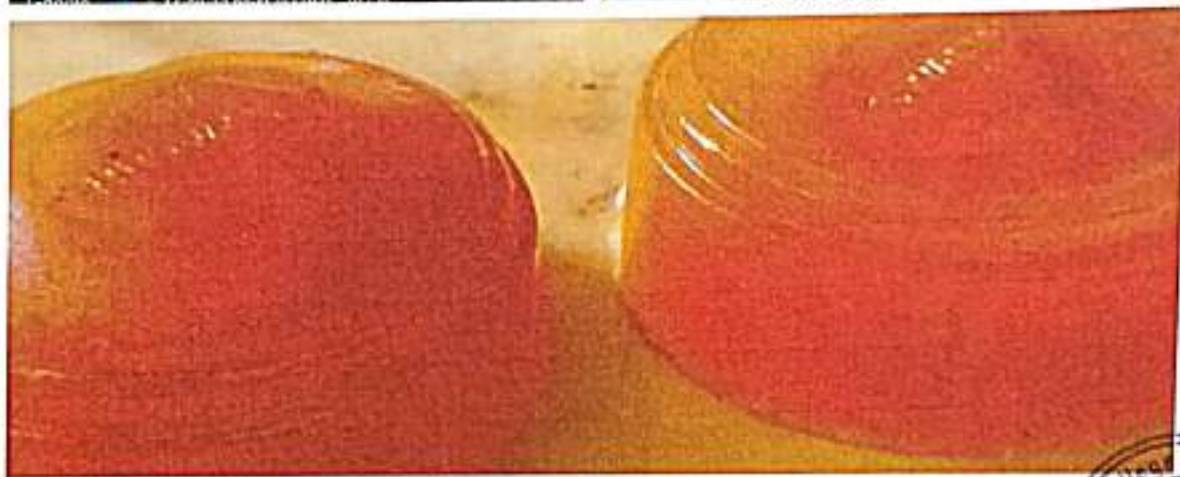


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REPORT:

A one day workshop on "**Chemistry of soap preparation**" Motto of the workshop is "Earn while learning".

At the beginning of the inauguration of the workshop the inauguration was done by watering the plant from the resource person Dr. Vijayalakshmi Edalli, HOD, Assistant professor of Chemistry, SDVS Sangh, SSTP College, Sankeshwar. To encourage, acquire practical skills and create more excitement of science journey among the students a one day workshop was organized by the Placement Cell in collaboration with the department of Chemistry on 10.08.2023.

The key note address was given by the Dr. Vijayalakshmi Edalli, HOD, Assistant professor of Chemistry, SSTP College, Sankeshwar. She explained the chemistry of preparation of soaps and different types of soaps that exists in the market as both in the solid form and liquid soap solutions. Soap has been a fundamental cleansing agent for centuries, used to remove dirt, oils, and impurities from various surfaces, including human and animal skin. The synthesis process of soap is known as Saponification which is a chemical reaction involving fats or oils with an alkali to produce soap and glycerin during the reaction.

She said the design and methodology of the soap preparation is according to the requirement of each individual. The requirement could be in terms of size, color, design, fragrance and or the nature of antibacterial or antifungal or antimicrobial etc activities. She also explained the significance of the workshop and the self-employment opportunity and setting up of small scale industry for which central government and state government supports it. Further she asked all the students to make use of the workshop effectively and requested them to have interaction during the experiential learning of soap preparation. She asked the students to be active and can earn while learning process by acquiring some of the basic sets of **analytical skills** to produce the essential materials at home and can be transformed that in to a **value added product** in order to become self-sustainable as a part time business.

Chemical Ingredients required

Oils

The primary ingredient in soap preparation is fats or oils. These can be derived from various sources such as vegetable oils (e.g., olive oil, coconut oil), animal fats, or a combination of both. The choice of fats or oils impacts the properties of the resulting soap, including its lathering ability, cleansing power, and moisturizing properties.





Alkali

An alkali, commonly either sodium hydroxide (NaOH) for solid soap or potassium hydroxide (KOH) for liquid soap, is required for saponification. The alkali reacts with the fats or oils to break down triglycerides into fatty acids and glycerin.

Water

Water is necessary to dissolve the alkali and facilitate its interaction with fats or oils. The right amount of water is crucial to ensure complete saponification without excess water remaining in the final product.

Additives

Additional ingredients can be added to the soap mixture to impart specific properties. These may include fragrances, colors, exfoliants (e.g., oatmeal, herbs), and essential oils for aromatherapy benefits.

Apart from the above chemical requirements, the following materials such as parachute oil, Vitamin E tablets, fragrance liquids, liquid soap base, any plant extracts, neem leaves, or flower extracts, rose petals, are very essential.

The different types of soaps were prepared to name a few such as by using aloe vera extract, neem extract, jasmine fragrance extract and same can be attributed from the above steps. Some of the important parameters that has to be taken care of is that time, pH, temperature, chemical ingredients, fragrance, color, stability of the soap synthesized and such others.

Steps involved in the Soap Preparation:

- ❖ **Safety Precautions:** Before beginning not only soap-making process but also any kind of chemical reactions, it's very essential and must take safety precautions should be adopted. This includes knowing the MSDS of the chemicals that should be used, wearing protective gear such as gloves and safety goggles, working in a well-ventilated area, and handling alkali with care due to its caustic nature.
- ❖ **Measuring and mixing of Fats/Oils and Alkali:** The fats or oils and alkali are measured according to a specific recipe. The proportions are crucial to achieving the desired characteristics in the final soap product. Then the alkali is slowly added to the fats or oils while stirring continuously. This process initiates the saponification reaction.
- ❖ **Heating and adding Additives:** The mixture is heated gently to promote the saponification process. The mixture thickens and goes through various stages until it reaches "trace," a point where the mixture leaves a faint trace when drizzled on the surface. At trace, additives like





fragrances, colors, and essential oils can be added to the mixture. This step allows customization of the soap's appearance and scent.

- ❖ **Molding and Curing:** The soap mixture is poured into molds that can be of various shapes and sizes. It is then left undisturbed for a while, allowing it to cool and solidify. Then the soap is removed from the molds and it needs to cure. Curing can take 1 to 2 months to allow excess water to evaporate, resulting in a harder and longer-lasting soap bar.
- ❖ **Packaging:** After curing, the soap bars can be packaged for use or sale. Proper packaging helps protect the soap from moisture and extends its shelf life.

Perspective:

Soap preparation is a small scale business and a time honored craft that involves carefully balancing the ingredients, following precise steps, and ensuring safety throughout the process. The art of soap-making allows for creativity in terms of ingredients, scents and appearances, while the chemical science of Saponification underpins the transformation of fats and alkali into a cleansing and nourishing product. She gave emphasis on the role of triglycerides, alkali and hydrolysis. Whether for personal use, cleansing agent or maintain hygiene or commercial production, understanding the soap preparation process is essential for achieving high-quality soap products.

The resource person said that any idea with creative innovations and research can bring novel technological designed products which could be used for the economic development as it is the era of startups century. She explained the role of chronological order for mixing the natural and other chemical ingredients that should be followed during its preparation. Further, the students interacted well with the resource person in clarifying their doubts.

Overall, the workshop was very interesting, highly motivational, and students involved very actively in the preparation of soap solution. Interestingly some of the students from BA course also joined the workshop and engaged in the soap preparation and enjoyed the journey of chemical science involved in soap preparation. **Miss Madhu Waghi** and **Miss Anusuya Mahalingpur** assisted the preparation of the soap along with the chemistry lab assistants.

Finally the presidential remarks were given by **Shri P. B. Burji**, Principal, SSTP College, Sankeshwar and concluded with vote of thanks by **Miss Madhu Waghi**, Lecturer, Department of Chemistry, SSTP College, Sankeshwar.




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**S. S. ARTS COLLEGE & T. P. SCIENCE INSTITUTE,
SANKESHWAR - 591313.**

Tal. Hukkeri Dist. Belgaum (Karnataka)

Accredited at "B⁺⁺" Level by NAAC

DEPARTMENT OF CHEMISTRY

GUEST LECTURE
on the topic entitled

"STRUCTURE AND BONDING OF IONIC SOLIDS"

As part of IQAC initiative

FACULTY EXCHANGE PROGRAM

Under MoU

05-02-2024




S.D.V.S. Sangh's
S. S. Arts College & T. P. Science Institute, Sankeshwar.

A report on guest lecture on the topic entitled
"Structure and Bonding of Ionic Solids - I" a Faculty Exchange Program under MoU

Date of the activity	03-02-2024
Organizing Department	Chemistry
Name of the resource person	Dr. Krishnamurthy M. S., Assistant Professor, Department of Chemistry, Gokak Education Society's, J. S. S. Arts, Science and Commerce College, Gokak.
No. of teachers participated	04
No. of students participated	16
Place of program	LH - 07
Impact of the activity	<ul style="list-style-type: none">- Awareness about the basics of the structure and chemical bonding of the ionic solids- I.- Understood the crystal structure of the molecules in the solid state.- Different types of chemical bond present in the molecules.- VSEPER theory and the prediction of the structure and the stability of the ionic solids.- Students came to know about the importance of different theories for the explanation of the existence of the crystal structure.- Students interacted with the resource persons and clarified their doubts.- Overall the lecture session was fruitful and all the students get benefited by the event.




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SANKESHWAR

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ವಿಜ್ಞಾನ ಮಹಾವಿದ್ಯಾಲಯ.
ಸಂಕೇಶ್ವರ.-591313



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SCIENCE INSTITUTE,
SANKESHWAR- 591 313

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Sl. No. 214/2023-24

Date: 01/02/2024

INVITATION LETTER

To,

Dr. Krishnamurthy M. S,
Assistant Professor
Department of Chemistry,
Gokak Education Society's,
JSS Art's, Science & Commerce College,
Gokak - 591307.



Subject: Invitation to deliver a guest lecture on the topic of "Structure and Bonding of Ionic Solids - I" for BSc III semester students as a part of faculty exchange activity under MoU.

Dear Sir,

We are extremely privileged and delighted to invite you to deliver a guest lecture on the topic of "Structure and Bonding of Ionic Solids - I" for BSc III semester students on 3rd February, Saturday, 2024 in our college as part of faculty exchange activity under MoU. We request you to kindly accept our invitation.

Thanking you,

Yours faithfully, /

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SANKESHWAR



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Long 74.471796°




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Pauling's Rules

- The structures of ionic solids can be accounted for by considering the relative sizes of the positive and negative ions, and their relative numbers.
- Simple geometric considerations can be used to find out how many ions of a given size can be in contact with a smaller ion. Thus we can predict the coordination number from the radii of the ions.
- Radius ratio rule - the ratio of radius of cation and radius of anion and is given by

$$\text{Ratio} = \frac{r(\text{radius of cation})}{r(\text{radius of anion})}$$

- Large cations surround a small radius atom in as tight a pack as possible so that the small atom never rattles around in the space.



District Karnataka, State Highway 97, Sankeshwar, Karnataka 591313, India
 Lat 10.265284°
 Long 74.471705°



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REPORT:

A guest lecture was arranged from the department of chemistry on the topic entitled “Structure and Chemical bonding of Ionic Solids- I” as part of the Faculty Exchange Program under MoU between SSTP College and Gokak Education Society’s, JSS Arts, Science and Commerce College, Gokak. Dr. Krishnamurthy M. S. Assistant Professor, Department of Chemistry, Gokak Education Society’s, JSS Arts, Science and Commerce College, Gokak. The motto of the guest lecture is to exchange and sharing of the knowledge among the students and teachers. The resource person explained the complete unit for BSc third semester on 03.02.2024 and 04.02.2024.

The guest lecture was very informative and fruitful session with fundamental principles governing the arrangement and bonding within ionic solids. The following is the key concepts discussed by the resource person.

✓ Ionic bonding

He explained briefly about the basics of chemical bonding and reason why the chemical reaction takes place. Different types of chemical bond present in the molecules. Formation of positively charged cations and negatively charged anions, electrostatic attraction between ions and formation of bonds.

✓ Co-ordination number and its calculations.

He also explained structure of ionic solids, Radius ratio rules, coordination number and calculation of limiting radius ratio for different coordination numbers and also illustrated the variation of coordination number based on specific arrangement of ions within the structure and stability of structures.

✓ Types of ionic compounds and their structures



He explained the types of ionic solids with taking examples of various structures for example NaCl, ZnS, CsCl, Fluorite – Layer structure and rutile structure

✓ **Covalent bonding**

He discussed about significance of formation of covalent bond through octet rule and VSEPR theory. The stability factors such as presence of lone pairs of electrons, electronegativity and overlap of atomic orbitals to form the molecular orbitals and hybridization concepts etc. by suitable examples with three dimensional representations.

✓ **Conclusion**

Students came to know about the importance of different theories for the explanation of the existence of the crystal structure. Students interacted with the resource persons and clarified their doubts. Overall the lecture session was fruitful and all the students got benefited by the event.




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Sankeshwar.

DEPARTMENT OF CHEMISTRY

Guest lecture on
Unit – II "STRUCTURE AND BONDING IN IONIC SOLIDS - I"
As part of Faculty Exchange Program under MoU.

by Resource Person-Dr. Krishnamurthy M. S,
Assistant Professor,
Department of Chemistry,
Gokak Education Society's,
JSS Arts, Science & Commerce College,
Gokak - 591307.

List of students

Sl no	Class	Register number	Name of the student	Signature
1.	BSC III Sem	U15CH2250002	Lakshi Netaji Agam	
2	BSC III Sem	U15CH2250018	Priyanka.v. Gavari	
3.	BSC III Sem	U15CH2250029	Keerti. B. Kamate	
4.	"	U15CH2250004	Bhagyashree.M. Mutnali	
5.	"	U15CH2250030	Atulga. R. Attar	
6	"	U15CH2250012	Pooja. P. Hiremath	
7	"	U15CH2250025	Savitri. S. Kumbhar	
8	"	U15CH2250022	Megha M. Babakavi	
9	"	U15CH2250005	Laxmi. G. Sulakude	
10	"	U15CH2250015	Sanjanya. N. Goravajal	
11	"	U15CH2250006	Priyanka. R. Badiger	
12	BSC IV	U15CH2250048	Suprit. S. Myagajayanti	
13	BSC III rd	U15CH2250028	Rahul. M. Isaraji	
14	BSC III	U15CH2250023	Onkar. S. Shelar	
15	BSC III	U15CH2250001	Sagar. K. Patti	
16)	BSC III	U15CH2250014	Dundappa R. Adarabho	

HOD
Department of Chemistry
S. S. Arts College & T.P. Science Institute
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