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1958



Shri Shivaji Education Society's
Board for Higher Education Vidyanagar, Karad



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

CRITERION-III

RESEARCH, INNOVATIONS AND EXTENSION

3.5 COLLABORATION

3.5.1 Number of functional MoUs /linkages with institutions/ industries in India and abroad for internship, on the-job training, project work, student / faculty exchange and collaborative research during the last five years

Index

Sr. No.	Year	Number of MoUs / Linkages /Job Training / Student and Faculty Exchanges	Number of Activities and Exchanges
1	2018-19	13	03
2	2019-20	06	03
3	2020-21	01	02
4	2021-22	18	19
5	2022-23	10	13


Co-ordinator,
Internal Quality Assurance Cell (IQAC),
Yashwantrao Chavan College
of Science, Karad




Principal,
Yashwantrao Chavan College of Science,
Karad



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

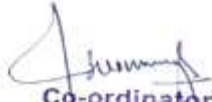
CRITERION-III

RESEARCH, INNOVATIONS AND EXTENSION

3.5 COLLABORATION

3.5.1 Number of functional MoUs /linkages with institutions/ industries in India and abroad for internship, on the-job training, project work, student / faculty exchange and collaborative research during the last five years

Sr. No.	Name of the MoU / linkage	Name of the institution/ industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Duration of MoU / collaboration / linkage	List the actual activities under each MOU/ Linkage and web -links year-wise (Date of activity)
1	Student Exchange and Faculty Exchange	Loknete Mohanrao Kadam Agriculture College Sonsal, Hingangaon Dist: Sangli	18/04/2017	Till terminated	Guest lecture on "Mutation and Mutation Breeding" 02/04/2019 and 03/04/2019
2	Exchange of Rare, Endangered and Threatened plants	Lead Botanical Garden, Department of Botany, Shivaji University, Kolhapur	28/09/2017	till terminated	Organization of Hands-on Training (22/03/2022-26/03/2022) Science Seminar Programme (11/01/2020)
3	Linkage with Rajarambapu College of Pharmacy, Kasegaon	Linkage with Rajarambapu College of Pharmacy, Kasegaon	10/07/2018	till terminated	Research Publication (01/09/2022) Research Publication (01/05/2022) Research Publication (01/09/2020)
4	Exchange of study tours	Linkage Ethanol Distillation Plant, Sahyadri Sahakari Sakhar Karkhana, Ltd. Yashwantnagar. Tal. Karad	11/04/2018	10/04/2023	Educational Visit to Sahyadri Sakhar Karkhana, Karad (31/03/2023, 06/06/2022, 16/05/2022)


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5	Student Exchange and Faculty Exchange	Yashwantrao Chavan Institute of Science, Satara (Autonomous)	28/12/2018	27/12/2023	1) A examiner in Rayat Central Inspire Research Festival under Rayat Inspire Project, Rayat Shikshan Sanstha, Satara (10-01-2020) 2) Guest Lecture on Grass Taxonomy in Hands on Training in Plant Taxonomy organized by Department of Botany, Yashwantrao Chavan Institute of Science (29-12-2018) 3) Research Publication (25/05/2021)
6	Skill Development in students and staff	MoU Radial Micro-Biotech Services, Karad	01/01/2019	Till terminated	
7	To carry out Collaborative Research	Linkage- Balasaheb Desai College, Patan	02/01/2019	Till terminated	Research Publication (25/05/2021) Research Publication (10/05/2021) Research Publication (07/03/2023) Research Publication (17/02/2023) Research Publication (16/06/2021)
8	Student exchange, guest lectures, study tours	Linkage Daulatrao Aher College of Engineering, Karad	02/01/2019	31/12/2019	
9	Collaborative Research and Project Work	Matoshri Bayabai Shripatrao Kadam mahavidyalaya Kadegaon	02/01/2019	31/12/2019	
10	Consultancy and Exchange of Knowhow	Insta Vision Laboratories, Satara	02/01/2019	31/12/2019	
11	To carry out Collaborative Research	Linkage with Doodhsakhar Mahavidyalaya, Bidri	05/01/2019	Till terminated	Research Publication (16/06/2021)

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12	Student exchange, guest lectures, study tours	Linkage with Sahyadri Sahakari Sakhar Karkhana, Yashwantnagar	05/01/2019	31/12/2019	Educational Visit to Sahyadri Sakhar Kharkhana, Karad (03/01/2019)
13	Collaborative Research and Project Work	Assura Pharma Training Institute, Sangli	05/01/2019	31/12/2019	Students Research Project Work (05/01/2019)
14	Student Exchange and Faculty Exchange	Dr. Ashok Gujar Technical institute's Dr. Daulatrao Aher College of Engineering, karad	20/08/2019	Till terminated	Guest Lecture on "Importance on cyber security" (03/01/2020)
15	Student exchange, guest lectures, study tours	Linkage Daulatrao Aher College of Engineering, Karad	02/01/2020	31/12/2020	
16	Collaborative Research and Project Work	Assura Pharma Training Institute, Sangli	02/01/2020	31/12/2020	Guest lecture on "Career opportunities in pharmaceutical Industries" (10/02/2022)
17	Collaborative Research and Project Work	Matoshri Bayabai Shripatrao Kadam mahavidyalaya Kadegaon	06/01/2020	31/12/2020	One day workshop on "Advanced Materials and Nanotechnology (18/12/2021)
18	Consultancy and Exchange of Knowhow	Insta Vision Laboratories, Satara	06/01/2020	31/12/2020	
19	Student exchange, guest lectures, study tours	Linkage with Sahyadri Sahakari Sakhar Karkhana, Yashwantnagar	06/01/2020	31/12/2020	
20	Student exchange, guest lectures, study tours	Balasaheb Desai College Patan	01/06/2020	30/05/2025	
21	Student Exchange and Faculty Exchange	Government College of Engineering, Karad	20/08/2020	19/08/2021	Webinar on "Exploring data science using python" (03/09/2020)
22	Specialists for good of all parties	Patil technologies, Vita	05/06/2021	04/06/2026	Hands on Training LED Board (19/05/2022)


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23	Curriculum creation, laboratory development, innovative project development	Kshitij Biotech Wing	07/06/2021	Till terminated	
24	Promotion of events and Resources for student exchange and faculty Exchange	Linkage Krishna Mahavidyalaya Rethare Bk.	01/07/2021	30/06/2026	
25	Events resources conferences Workshops	Chapter ELT@I, Satara	08/09/2021	Till terminated	Seminar on "Developing Communicative Competence for Better Employability" (27/10/2021)
26	Collaborations, provide opportunities for disciplinary experiences	Arts Commerce and Science College Sonai	03/12/2021	02/12/2026	Guest lecture on "Plants: Precious gift of Nature" (18/12/2021)
27	Exchange invitations of lectures, seminars and workshops	Rajarambapu College of Pharmacy, Kasegaon	17/12/2021	16/12/2026	Science seminar and Scitica (29/12/2021)
28	Collaborative Research and Publications	Krishna Mahavidyalaya Rethare Bk.	01/01/2022	31/12/2027	Research Publication (01/01/2022) Research Publication (06/12/2022) Research Publication (30/06/2022) Research Publication (09/07/2023)
29	Consultancy and Exchange of Knowhow	Insta Vision Laboratories, Satara	10/01/2022	31/12/2022	Guest lecture on "Opportunities in Pharmaceuticals after PG" (18/05/2022)
30	Student exchange, guest lectures, study tours	Linkage Daulatrao Aher College of Engineering, Karad	10/01/2022	31/12/2022	


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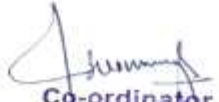


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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

31	Student exchange, guest lectures, study tours	Linkage with Sahyadri Sahakari Sakhar Karkhana, Yashwantnagar	12/01/2022	31/12/2022	Educational Visit to Sahyadri Sakhar Kharkhana, Karad (06/06/2022)
32	Collaborative Research and Project Work	Assura Pharma Training Institute, Sangli	12/01/2022	31/12/2022	
33	To carry out Collaborative Research	Linkage- Jaysingpur College, Jaysingpur	12/01/2022	Till Terminated	Research Publication (30/06/2022)
34	Collaborative Research and Project Work	Matoshri Bayabai Shripatrao Kadam mahavidyalaya Kadegaon	12/01/2022	31/12/2022	
35	Consultancy and Industrial Training	Vanashri Milk Product Pvt. Ltd., Hanmantnagar, Chinchani (Ambak), Tal- Kadegaon	13/01/2022	31/12/2022	Industrial Training at Vanashri Milk Product Pvt. Ltd., Hanmantnagar, Chinchani (Ambak), Tal- Kadegaon, Dist- Sangli (10/02/2022)
36	Consultancy and Industrial Training	Srushti Agro Export, Plot No C8, MTDC, Kadegaon	31/01/2022	31/12/2022	Industrial Training at Srushti Agro Export, Plot No C8, MIDC, Kadegaon, Tal: Kadegaon, Dist- Sangli (10/02/2022)
37	Conduct Seminar and webinars	MoU Orange Itech Pune	02/06/2022	01/06/2027	Guest lecture on "Spring and Hibernate Framework of Java used in IT Companies" (09/05/2023)
38	Enriching education process, jointly work and build industry institute partnership	Innovhub Systems Pvt. Ltd	22/06/2022	Til Terminated	Industrial Training at "INNOVHUB System Pvt. Ltd" (05/05/2023)
39	Consultancy and Industrial Training	Srushti Agro Export, Plot No C8, MTDC, Kadegaon	10/01/2023	31/12/2023	Industrial Training at Srushti Agro Export, Plot No C8, MIDC, Kadegaon, Tal: Kadegaon, Dist- Sangli (11/02/2023)


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40	Consultancy and Industrial Training	Vanashri Milk Product Pvt. Ltd., Hanmantnagar, Chinchani (Ambak), Tal- Kadegaon	10/01/2023	31/12/2023	Industrial Training at Vanashri Milk Product Pvt. Ltd., Hanmantnagar, Chinchani, (Ambak), Tal- Kadegaon, Dist- Sangali (11/02/2023)
41	Consultancy and Exchange of Knowhow	Insta Vision Laboratories, Satara	11/01/2023	31/12/2023	
42	Student exchange, guest lectures, study tours	Linkage with Sahyadri Sahakari Sakhar Karkhana, Yashwantnagar	11/01/2023	31/12/2023	Educational Visit to Sahyadri Sakhar Kharkhana, Karad (14/04/2023)
43	Collaborative Research and Project Work	MoU Matoshri Bayabai Shripatrao Kadam mahavidyalaya Kadegaon	12/01/2023	Till terminated	
44	Student exchange, guest lectures, study tours	Linkage Daulatrao Aher College of Engineering, Karad	12/01/2023	01/01/2028	
45	Collaborative Research and Project Work	Assura Pharma Training Institute, Sangli	13/01/2023	31/12/2023	Educational Visit to Sahyadri Sakhar Kharkhana, Karad (31/12/2023)
46	Student exchange, guest lectures	Yashwantrao Patil Science College Solankur	08/02/2023	07/02/2028	
47	Skill Development trainings of economically and socially disadvantaged youths	NK Institute of Technology (Training Partner)	10/02/2023	09/02/2025	One day workshop "Skill Development" (26/07/2023)
48	Exchange of study tours	Ethanol Distillation Plant, Sahyadri Sahakari Sakhar Karkhana, Ltd. Yashwantnagar. Tal. Karad	11/04/2023	10/04/2028	


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Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, Fax : 02164-271356, e-mail : ychavan@bsnl.in, prinyccsk@gmail.com

Reaccredited B Level by NAAC, Bangalore

AN ISO 9001-2008 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Umbrella Memorandum of Understanding

Memorandum of Understanding

between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA
And

**LOKNETE MOHANRAO KADAM AGRICULTURE COLLEGE, SONSAI-
HINGANGAON KD TAL- KADEGAON DIST- SANGLI**

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MoU).

I Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Academic and research collaboration in the areas of mutual interest.
2. Exchange of academic information, scholarly information, materials and publications.
3. Exchange of students and faculty.
4. Practical training in pre-identified or otherwise selected field sites.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.



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II. Obligations of the Parties

To implement the MoU the parties commit themselves to provide necessary conditions:

2.1. Both sides will maintain ongoing communication and circulate essential information in a timely manner.

2.2. Both parties agree that all financial agreements necessary to implement this MoU must be negotiated and will depend upon the availability of funds. Neither institution shall have any financial obligation to the other institution based on this Agreement.

2.3. Realization of separate concrete research projects within the frames of the MoU will be stipulated in separate, Specific Agreements.

III. Term and Order of Action

3.1 This MoU will become effective upon the date of signature by the representatives of the institutions and, if applicable; approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MoU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MoU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.



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4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

The MoU is written and signed in four copies having equal force, each party receiving two copies for the record.



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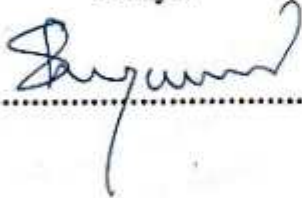
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VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA	LOKNETE MOHANRAO KADAM AGRICULTURE COLLEGE, SONSAI-HINGANGAON Kd TAL- KADEGAON DIST- SANGLI

SIGNATURES OF THE PARTIES WITH DATE: 18/04/2017

Party 1st



Authority Name: **Dr. S.S. Bajekal**
Principal,
Yashwantrao Chavan College of Science,
Karad



Party 2nd



Authority Name: **Dr. D. M. Sawant**
Principal
Bharati Vidyapeeth's
Loknete Mohanrao Kadam
College of Agriculture, Sonai-Hingangaon
Tal. Kadegaon, Dist. Sangli



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Umbrella Memorandum of Understanding

**Memorandum of Understanding
between**

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA
And
LEAD BOTANICAL GARDEN
DEPARTMENT OF BOTANY, SHIVAJI UNIVERSITY, KOLHAPUR**

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MoU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Exchange of Rare, Endangered and Threatened plants
2. Exchange of herbal medicine related information and materials.
3. Exchange of students and faculty.
4. Practical training in pre-identified or otherwise selected field sites.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.



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II. Obligations of the Parties

To implement the MoU the parties commit themselves to provide necessary conditions:

2.1. Both sides will maintain ongoing communication and circulate essential information in a timely manner.

2.2. Both parties agree that all financial agreements necessary to implement this MoU must be negotiated and will depend upon the availability of funds. Neither institution shall have any financial obligation to the other institution based on this Agreement.

2.3. Realization of separate concrete research projects within the frames of the MoU will be stipulated in separate, Specific Agreements.

III. Term and Order of Action

3.1 This MoU will become effective upon the date of signature by the representatives of the institutions and, if applicable, approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MoU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MoU should the other partner fail to fulfill its responsibilities as stated herein.

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VI. Legal Addresses of the Parties


Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA	LEAD BOTANICAL GARDEN DEPARTMENT OF BOTANY, SHIVAJI UNIVERSITY, KOLHAPUR.

SIGNATURES OF THE PARTIES WITH DATE: 28/09/2017

Party 1st

Party 2nd

.....

Authority Name: Dr. N. R. Shaikh
Principal,
Yashwantrao Chavan College of Science,
Karad

.....

REGISTRAR
Authority Name: Shivaji University,
Kolhapur.

Seal of the Institute:



Seal of the Institute:





SHIVAJI UNIVERSITY, KOLHAPUR
DEPARTMENT OF BOTANY
ORGANIZED

“HANDS ON TRAINING IN CRYPTOGAMS AND GYMNOSPERMS
FOR POSTGRADUATE STUDENTS”
UNDER UGC-STRIDE PROGRAMME ON
22nd TO 26th MARCH, 2022

This is to certify that Prof./Dr./Mr./Mrs/Miss *Mallewade... Sammed... Sanjay*.....
has successfully attended the “*Hands on Training in Cryptogams and Gymnosperms*” organized on
22nd to 26th March, 2022 by Department of Botany, Shivaji University, Kolhapur, Maharashtra (India).

Dr. Sachin M. Patil
Co-ordinator

Prof. Varsha D. Jadhav
Convener & Head




SHIVAJI UNIVERSITY, KOLHAPUR
DEPARTMENT OF BOTANY

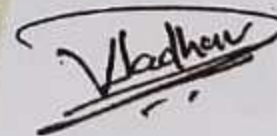
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22nd TO 26th MARCH, 2022

This is to certify that Prof./Dr./Mr./Mrs/Miss *Varsha Nilima Deepakkumar*.....
has successfully attended the “*Hands on Training in Cryptogams and Gymnosperms*” organized on
22nd to 26th March, 2022 by Department of Botany, Shivaji University, Kolhapur, Maharashtra (India).



Dr. Sachin M. Patil
Co-ordinator



Prof. Varsha D. Jadhav
Convener & Head



Estd. 1962
NAAC 'A' Grade
MHRD-NIRF-28th Rank
SHIVAJI UNIVERSITY, KOLHAPUR
416 004 (MS)

Umbrella Memorandum of Understanding

**Memorandum of Understanding
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3.3. Each party reserves the right to unilaterally terminate the MoU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.

4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

The MoU is written and signed in four copies having equal force, each party receiving two copies for the record.



VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA	LEAD BOTANICAL GARDEN DEPARTMENT OF BOTANY, SHIVAJI UNIVERSITY, KOLHAPUR.

SIGNATURES OF THE PARTIES WITH DATE: 28/09/2017

Party 1st

Party 2nd

.....

Authority Signature: **Principal,**
Yashwantrao Chavan College of Science,
Karad

.....

Authority Signature: **REGISTRAR,**
Shivaji University,
Kolhapur.

Seal of the Institute:



Seal of the Institute:



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Activity Report, 2019-20

Name of the Department	IQAC and Department of Botany
Title of the activity	"Science Seminar"
Topic	Ethnomedicinal knowledge for sustainable use.
Date	11.01.2020
Invited Speaker	Prof. Dr. Mrs. Jadhav V. D. Head, Dept. of Botany, Shivaji University, Kolhapur
No. of Beneficiaries	140
Outcome/Success achieved	Students gained knowledge about ethanobotany.




Program In-charge


IQAC Coordinator,
Internal Quality Assurance Cell (IQAC),
Yashwantrao Chavan College
of Science, Karad


Principal
Principal
Yashwantrao Chavan College of Science
Karad


Head
Department of Botany
Yashwantrao Chavan College of
Science, Karad



Estd. 1958

|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237



Ref. No. *KJ*/2019-20

Date: 09.01.2020

To,
Prof. Dr. Varsha D. Jadhav
Head,
Department of Botany,
Shivaji University, Kolhapur

Sub. – Lecture under Science seminar.

Madam,

As confirmed in telephonic discussion with Dr. S. A. Kirtane your lecture on topic “Ethnomedicinal knowledge for sustainable use” is fixed on 11th Jan. 2020 at 11.30 a.m. in our college. Please make it convenient to be with us by 11.00 a.m.

Thanking you

Yours faithfully,



Principal,
Yashwantrao Chavan College
of Science, Karad.



Estd. 1958

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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinycesk@gmail.com

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref. No. /BOT/2019-20

Date: 11.01.2020

To,
Prof. Dr. Varsha D. Jadhav
Head,
Department of Botany,
Shivaji University, Kolhapur

Sub. – Lecture under Science seminar.

Madam,

We are very much thankful to you for accepting our invitation and sparing your time and sharing your intellectual thoughts with our students in the Science seminar activity.

Your talk on "**Pharmacognostical, Ethanobotanical and Nutraceutical Studies of Wild Plants**" was really informative and inspiring to all the students.

Thanking you



Yours-faithfully,


Principal,
Yashwantrao Chavan College of Science,
Karad

o/c




Estd. 1958

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Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

11.01.2020

वनस्पतीशास्त्र विभाग भायन्त्र भेमिनात्र कार्यक्रम पत्रिका

- न्यागत व प्रान्ताधिक : डॉ. जी.जी पोतदात्र
- प्रमुख पाहुण्यांची ओळख : डॉ. एन.ए. किरतने
- प्रमुख पाहुण्यांचा शतकार : हस्ते प्राचार्य डॉ. एन. सी. केंगात्र
- भित्तीपत्रक प्रकाशन : हस्ते मा. प्रमुख पाहुणे
- प्रमुख पाहुण्यांचे मार्गदर्शन : मा. प्रो. डॉ. पर्षा जाधव
विभागप्रमुख, वनस्पतीशास्त्र विभाग,
शिवाजी विद्यापीठ, कोल्हापूर.
- अध्यक्षीय मनोगत : प्राचार्य डॉ. एन. सी. केंगात्र
- आभात्र प्रदर्शन : प्रा. प्ही. एन. यादव
- सुत्रसंचालन : कु. चेतना पाटील




Principal

Yashwantrao Chavan College of Science, Karad

Yashwantrao Chavan College of Science, Karad

Department of Botany

Science Seminar

Students Attendance



Guest Lecture - "Ethnomedicinal knowledge for sustainable use"

Chief guest - Prof. Dr. V. D. Jadhav, SUK.

11.01.2020

Sr. No.	Name of Students	Class	Signature
1.	Attate Siddika Arif	B.Sc-II	Siddika
2.	Rasal Vandana Ramchandra	B.Sc. II	Vasal
3.	Shinde Akanksha Dipak	B.Sc-II	ShindeAD
4.	Patwar Shorayu Shashikant	B.Sc-II	Shorayu
5.	Tamboli Shakti Gous	B.Sc-II	Shakti
6)	Jagtap Akshata Rajaram	B.Sc-II	A.R.Jagtap
7)	Mane Supriya Subhash	B.Sc-II	Mane
8)	Gurav Pradnya Jaxman	B.Sc-II	GuravPradnya
9)	Jadhav Rutuja Ravindra	B.Sc II	RRJadhav
10)	Jagdale Payal Hanmant	B.Sc. II	PJagdale
11)	Jagtap Vaishnavi Shankar	B.Sc II	Jagtap
12.	Sabnis Namrata. Shabdal	B.Sc. II	Sabnis
13.	Patil Mrunalini Rajendra	B.Sc. II	Patil
14)	Kadam Isha Ramesh	B.Sc II	Kadam
15)	chavan Rutuja Rajendra	B.Sc II	RRchavan
16)	chavan Pratiksha Shivaji	B.Sc II	Pschavan
17)	chavan Rutuja Rajendra	B.Sc II	RCR
18)	Yadav Shradha Subhash	B.Sc. I	Shradha
19)	Dhagale pooja Dadaso	B.Sc I	Dhagale
20)	Salunkhe Parnali Prakash	B.Sc - I	PSalunkhe
21)	Sapkal Jyoti Dilip	B.Sc. I F	Sapkal
22)	Sapkal Vijaya Navnath	BSC. II	Sapkal
23)	Mose sayali Shankar	BSC-II	Mose
24)	pubal Nikita Nivas	BSC - I	Pubal
25)	Patil Varada Vinayak	BSC II	Patil
26)	Malawade Ankita Kaishnat	BSC. II	Malawade
27)	Mujawar Aman Tanveer	BSc II	Mujawar
28)	Shinde Rasika Ramchandra	BSc. I	Rashinde
29)	Yadav Pratiksha Satish	BSc - I	Yadav
30)	lohar sonali shivaji	B.Sc. II	Lohar

31) Lokare pooja krushnat B.Sc-II

32) Bagul Vijaya Bibichand Bsc I

33) Shinde Aranti Dilipkumar B.Sc. I

Principal
Yashwantrao Chavan College of Science, K.

Yashwantrao Chavan College of Science, Karad

Department of Botany

Science Seminar

Students Attendance



Guest Lecture - "Ethnomedicinal knowledge for sustainable use"

Chief guest - Prof. Dr. V. D. Jadhav, SUK

11.01.2020

Sr. No.	Name of Students	Class	Signature
1.	Yadav Pratiksha Prakash	B.Sc.II	<i>[Signature]</i>
2)	Pawar Dipti Neelshankar	B.Sc.II	<i>[Signature]</i>
3)	Pawar Kishori Anil	-II-	<i>[Signature]</i>
4)	Kolekar Mahadev Basappa	-II-	<i>[Signature]</i>
5)	Nalawade Akshay Raghunath	-II-	<i>[Signature]</i>
6)	Mane Pankaj Jagannath	B.Sc.I	<i>[Signature]</i>
7)	Ghoshge Sunket Chandrakant	B.Sc.I	<i>[Signature]</i>
8)	Mane Raviraj Shivaraj	B.Sc.I	<i>[Signature]</i>
9)	Jagtap Shreyash Prakash	B.Sc-I	<i>[Signature]</i>
10)	Sushant Ramesh Mohite	B.Sc-I	<i>[Signature]</i>
11)	Nadagdi Vikas Shantaram	B.Sc-I	<i>[Signature]</i>
12	Jadhav Kiran Laxman	B.Sc.I	<i>[Signature]</i>
13)	Kale Prasad Dattatray	B.Sc.I	<i>[Signature]</i>
14)	Gurav Prakash Sunil	B.Sc.I	<i>[Signature]</i>
15)	Lavate Shubham Annasa	B.Sc.I	<i>[Signature]</i>
16)	Jadhav Shubham Pradip	B.Sc.II	<i>[Signature]</i>
17)	Shikargae Aabaj Husen	B.Sc.II	<i>[Signature]</i>
18)	Jadhav Yogesh Dadasa	B.Sc-22	<i>[Signature]</i>
19)	Mulla Math Shoukat	B.Sc-22	<i>[Signature]</i>
20)	Dhumal Omkar Anandla	B.Sc.II	<i>[Signature]</i>
21)	Salunkhe Omkar Dilip	B.Sc.II	<i>[Signature]</i>
22)	Thorat Shivraj Adhikar	B.Sc.II	<i>[Signature]</i>
23)	Gurav Rujunaj Ajay	B.Sc.II	<i>[Signature]</i>
24)	Gurav Satyajee Prakash	B.Sc-II	<i>[Signature]</i>
25)	Shankar Vaibhav Netaji	B.Sc.II	<i>[Signature]</i>



[Signature]
Principal

Yashwantrao Chavan College of Science, Karad

Department of Botany

Science Seminar

Students Attendance



Guest Lecture - "Ethnomedicinal knowledge for sustainable use"

11.01.2020

Sr. No.	Name of Students	Class	Signature
1	Todkar Ashwini Mahadev	BSc-I	Todkar
2	Kadam Arpita Dilip	---	Kadam
3	Todkar Dipali Shankar	---	Todkar
4	Shinde Vrushali Shankar	-II-	Shinde
5	Janare Kavita Shripati	-I-	Janare
6	Pawar Tejaswini Atan	B.Sc. II	Pawar
7	Pisal Harashada Krishnat	B.Sc. II	Pisal
8	Thorat Swati Bhikaji	B.Sc. II	S.B.Thorat
9	Zanje Shaila Nagnath	B.Sc. II	S.N.Zanje
10	Jadhav Mayuri Shivaji	B.Sc. II	Jadhav
11	Patil Snehal Suryakant	B.Sc. II	Patil
12	Pawar Tanvi Tushar	-II-	Pawar
13	Pawar Shweta Rami Krishnat	B.Sc. II	Pawar
14	Mohite Shweta Shantaram	B.Sc. I	Mohite
15	Mohite Pragati Pandurang	-n-	Mohite
16	Mohite Tanuja Tukaram	-n-	Mohite
17	Mohite Akshata Jivan	B.Sc. I	Mohite
18	Kulkarni Puja Shivaji	-II-	P.S.Kulkarni
19	Patil Prajakta Prakash	-II-	Pajakta
20	Bandal Rasika Sanjay	B.Sc. II	Bandal
21	Ghute Pranali Raghunath	B.Sc. II	Ghute
22	Ghag Supriya Subhash	B.Sc. II	Ghag
23	Dupate Dnyaneshwari Dilip	B.Sc. II	Dupate
24	Jadhav Durga Ramchandra	B.Sc. II	Jadhav
25	Jambure Arti Sanjay	B.Sc. - II	Jambure
26	Shelke Damini Nitin	-II-	Shelke



Principal

Yashwantrao Chavan College of Science, Karad
Department of Botany
Feedback form



Name of the Programme..... Ethanomedicinal Knowledge for.....

Name of the Speaker - Dr. V. D. Jadhav (SUK).....

Name of the Student: Pawar Dipak Krushnant.....

Class: BSC. III..... Roll No.....

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker	✓				
3	Speakers presentation's skill		✓			
4	Amount of new information you learned		✓			
5	Overall experience of the programme	✓				

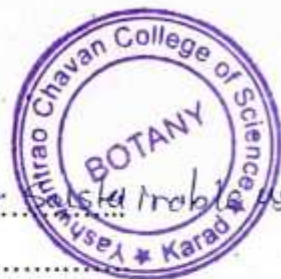
Any other suggestions if any.....

Date: 11/01/2020


Principal

Sign. Dharmar

Yashwantrao Chavan College of Science, Karad
Department of Botany
Feedback form



Name of the Programme: Elharan medicinal knowledge Per

Name of the Speaker - Dr. U. D. Jadhav (Suk)

Name of the Student: Kale Avishkar Mohan

Class: BSC-F Roll No.

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker		✓			
3	Speakers presentation's skill	✓				
4	Amount of new information you learned		✓			
5	Overall experience of the programme	✓				

Any other suggestions if any.....

Date:

11/01/2020


Principal

Sign.

Kale

Yashwantrao Chavan College of Science, Karad
Department of Botany
Feedback form

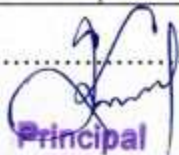


Name of the Programme..... Ethnomedicinal Knowledge..... Us
 Name of the Speaker - Dr. V.D. Tadhw
 Name of the Student: Rasal Vandana Ramchandra
 Class: B.Sc. II Roll No.....

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of programm	✓				
2	Rate the materials/slides presented by speaker		✓			
3	Speakers presentation's skill		✓			
4	Amount of new information you learned	✓				
5	Overall experience of the programme	✓				

Any other suggestions if any.....

Date: 11/1/20


Principal

Sign. Rasal

Yashwantrao Chavan College of Science, Karad
Department of Botany
Feedback form



Name of the Programme: Ethano medicinal knowledge for sustainable use
 Name of the Speaker - Dr. V. D. Jadhav
 Name of the Student: Shinde Akanksha Dipak
 Class: B.Sc - II Roll No.

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker		✓			
3	Speakers presentation's skill			✓		
4	Amount of new information you learned				✓	
5	Overall experience of the programme	✓				

Any other suggestions if any

Date: 11/1/2020


Principal

Sign. Shinde A.

Yashwantrao Chavan College of Science, Karad
Department of Botany
Feedback form



Name of the Programme Ethno-Medicinal Knowledge for Sustainable Use

Name of the Speaker - Dr. V. P. Jadhav.

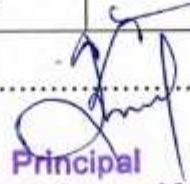
Name of the Student: Chavan Vishal Bhaskar

Class: B.Sc. I Roll No.

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker	✓				
3	Speakers presentation's skill	✓				
4	Amount of new information you learned		✓			
5	Overall experience of the programme					

Any other suggestions if any.....

Date: 11/11/20


Principal

Sign. V. Ben

LINKAGE



Yashwantrao Chavan College of Science, Karad

&



Rajarambapu College of Pharmacy, Kasegaon - 415404

Linkage is signed on 10th July 2018 between Department of Zoology, Yashwantrao Chavan College of Science, Karad (First Party) and Rajarambapu College of Pharmacy, Kasegaon - 415404, Maharashtra, India. Department of Pharmacology , (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.

- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for starting from the date of signing this agreement through mutual consent of parties and valid till terminated.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 10th July 2018.

Party	First Party	Second Party
Institute	Yashwantrao Chavan College of Science, Karad	Rajarambapu College of Pharmacy, Kasegaon
Signature		
Name & Designation	Dr. S.B. Kengar Head, Department of Zoology	Dr. A. R. Chopade Head, Department of Pharmacology
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Dr. C.S. Magdum Principal Principal Rajarambapu College of Pharmacy Kasegaon.
Seal		



**IN-VIVO INVESTIGATIONS OF CHRONIC INFLAMMATORY PAIN
MODULATING POTENTIAL OF NIRANTHIN**

**GAVARKAR PS^{1*}, SOMADE PM², CHAVAN RS², PHATAK RS³, CHOPADE AR⁴
AND KENGAR SB⁵**

- 1: Dept. of Pharmaceutical Chemistry, Anandi Pharmacy College, Kalambe tarf Kale, Tal- Karveer,
Dist- Kolhapur 416205
- 2: Krishna Institute of Medical Science "Deemed to be University", Karad-415539, Maharashtra
- 3: Principal, Seth Govind Raghunath Sable College of Pharmacy, Saswad, Dist- Pune, Tal- Purandar,
412301
- 4: Rajarambapu College of Pharmacy, Kasegaon, District – Sangli, Maharashtra, 415404, India
- 5: Principal, Yashwantrao Chavan College of Science Karad, 415124

***Corresponding Author: Pratibha S. Gavarkar: E Mail: pratibhagavarkar@gmail.com**

Received 16th Oct. 2021; Revised 20th Nov. 2021; Accepted 20th Jan. 2022; Available online 1st Sept. 2022

<https://doi.org/10.31032/IJBPAS/2022/11.9.6413>

ABSTRACT

Background: It has been well referred that lignan family of natural products has good pharmacological potential. A lignan, Niranthin, 6-[(2*R*,3*R*)-3-[(3,4-dimethoxyphenyl)methyl]-4-methoxy-2-(methoxymethyl)butyl]-4-methoxy-1,3-benzodioxole] is a common phytoconstituents from various *Phyllanthus* species.

Objectives: This study aims to investigate chronic pain modulatory potential of Niranthin.

Materials and Methods: We have investigated the effects of Niranthin on chronic thermal and mechanical hypersensitivities in rats, which were injected with 3% carrageenan in the left gastrocnemius muscle and hyperalgesia to heat and mechanical stimuli was assessed before and at varying times after injection, till end of 22 days after muscle insult. Histological changes and the determination of prostaglandin E2 (PGE2) concentration were performed after the completion of drug treatment protocol.

Results: Our finding noted that Niranthin causes hypersensitivity activity, when administered intraperitoneally. There was also reduction in prostaglandin E2 (PGE2) concentration observed during our analysis.





Received on 22 January 2020; received in revised form, 03 April 2019; accepted, 04 April 2020; published 01 May 2020

EVALUATION OF *IN-VITRO* ANTI-BACTERIAL AND CYTOTOXIC ACTIVITY OF *LEEA MACROPHYLLA*

Prakash M. Somade^{*1}, Atul R. Chopade², Pramod A. Patil² and Suryakant B. Kengar³

Department of Physiology¹, Krishna Institute of Medical Sciences, Karad - 415539, Maharashtra, India.

Department of Pharmacology², Rajarambapu College of Pharmacy, Kasegaon - 415404, Maharashtra, India.

Department of Zoology³, Yashwantrao Chavan College of Science Karad - 415124, Maharashtra, India.

Keywords:

Leea macrophylla, Antibacterial activity, Brine shrimp lethality assay

Correspondence to Author:

Dr. Prakash M. Somade

Professor,

Department of Physiology, Krishna Institute of Medical Sciences, Karad - 415539, Maharashtra, India.

E-mail: saishaparakash@gmail.com

ABSTRACT: Studies have confirmed the medicinal potential of the *Leea macrophylla* mentioned in traditional medicine. While the effects of the *Leea macrophylla* extract on some bacteria and Brine shrimp lethality using their different concentrations has not been previously explored. The present study shows that the standardized aqueous and ethanolic extract of *Leea macrophylla* exhibited antibacterial and cytotoxic activity. The findings of the present work provide promise for the development of new molecules of treat microbial infections and cancer.

INTRODUCTION: *Leea macrophylla* (Roxb.) (Family: Leeaceae) is a herb or herbaceous shrub with a very big size leaf like an elephant-ear. The plant parts of *Leea macrophylla* are used by tribal people in the cold, cough, headache, tetanus, etc.¹

² It also has ethnobotanical uses in goiter, gastric tumor, lipoma body pain and rheumatic pain²⁻⁵. Although *Leea macrophylla*, *Leea macrophylla* has various ethnopharmacological uses; the plant have not been investigated for antimicrobial and cytotoxic activity against prominent gram-positive and gram-negative human pathogenic bacterial strains. Besides, cytotoxic activity screening of the extracts was also carried out with view to assess the presence of antitumor activity of different extracts.

In-vitro lethality test has been successfully used as a preliminary study of cytotoxic and antitumor agents.

MATERIALS AND METHODS:

Preparation of Extracts: The plant species *Leea macrophylla* [Roxb.ex Hornem] belonging to Family: Leeaceae was collected from Kalgaoon village Taluka. Patan, District- Satara and authenticated at Botanical department of Yashwantrao Chavan College of Science, Karad. The plant was dried under sunlight and fine powder of the plant was prepared by using a hand grinder.

Preparation of *Leea macrophylla* Aqueous Extract (LMAE): powder was mixed with 30 ml distilled water boiled for 30 min in round bottom flask attach with a reflux condenser. The material was filtered Whatman filter paper no 40, and filtrate was collected.

Preparation of *Leea macrophylla* Ethanolic Extract (LMEE): powder was mixed with 30 ml

	<p>QUICK RESPONSE CODE</p>
	<p>DOI: 10.13040/IJPSR.0975-8232.11(5).2448-50</p> <p>The article can be accessed online on www.ijpsr.com</p>
<p>DOI link: http://dx.doi.org/10.13040/IJPSR.0975-8232.11(5).2448-50</p>	





**EVALUATION USING *IN-VITRO* ASSAYS FOR GLUCOSE DIFFUSION AND
KINETICS OF AMYLOLYSIS OF *LEEA MACROPHYLLA* STANDARDIZED
EXTRACTS**

**SOMADE PRAKASH M¹, CHOPADE ATUL R^{2*}, PATIL PRAMOD A² AND KENGAR
SURYAKANT B³**

1: Department of Physiology, Krishna Institute of Medical Sciences, Karad, 415539,
Maharashtra, India

2: Dept. of Pharmacology, Rajarambapu College of Pharmacy, Kasegaon 415404, Maharashtra,
India

3: Dept. of Zoology, Yashwantrao Chavan College of Science Karad, 415124, Maharashtra,
India

*Corresponding author: E Mail: chopadeary@gmail.com; Cell no.- +9109226346106

Received 16th Jan. 2020; Revised 14th Feb. 2020; Accepted 15th March 2020; Available online 1st Sept. 2020

<https://doi.org/10.31032/IJBPAS/2020/9.9.5173>

ABSTRACT

The standardized aqueous and methanol extracts of *Leea macrophylla* were studied for their effects on assay of diffusion glucose and for kinetics of amylolysis using *in vitro* models.

The results verified the antidiabetic potential of the standardized aqueous and methanol extract of *Leea macrophylla*.

Keywords: *Leea macrophylla*; glucose diffusion; amylolysis kinetics

INTRODUCTION

Leea macrophylla (Roxb.), of Leeaceae family, an herbaceous shrub with big sized leaf similar to a elephant ear. Ethnobotanical survey shows some important therapeutic uses in cancer, dysentery, body-

ache, and sexual disability [1]. It is traditionally used for nephrolithiasis, rheumatism, arthritis, pain, tonsillitis, tetanus, snake bites, sore and blood effusion [2, 3]. Leaf juice is used for local anti-



LINKAGE



Yashwantrao Chavan College of Science, Karad

&

Ethanol Distillation Plant, Sahyadri Sahakari Sakhar

Karkhana, Ltd. Yashwantnagar. Tal. Karad

Linkage is signed on 11th April 2018 between Department of Microbiology, Yashwantrao Chavan College of Science, Karad (First Party) and Ethanol Distillation Plant, Sahyadri Sahakari Sakhar Karkhana Ltd. (Second Party). It is agreed by First party and Second party to impart study tours to the students. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of study tours to the students.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.

4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set these hands on the 11th April 2018.

Party	First Party	Second Party
Institute	Yashwantrao Chavan College of Science, Karad	Ethanol Distillation Plant, Sahyadri Sahakari Sakhar Karkhana Ltd.
Signature		
Name & Designation	Dr. J. U. Patil Head, HEAD DEPARTMENT OF MICROBIOLOGY Department of Microbiology	Pralokesh K. Patil Head, Ethanol Distillation Plant, Sahyadri Sahakari Sakhar Karkhana, Ltd. Yashwantnagar.
Signature		
Name & Designation	Dr. S. B. Kengar Principal Principal Yashwantrao Chavan College of Science, Karad.	Head, Pralokesh K. Patil Ethanol Distillation Plant, Sahyadri Sahakari Sakhar Karkhana, Ltd. Yashwantnagar.
Seal		



Estd. 1958

O.C.

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Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715 Index No. J 21.02.002

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Date: - 31/03/2023

Ref No. : Micro/01/2022-23

To,

The Managing Director,
Sahyadri Sahakari Sakhar Karkhana Ltd.,
Yashwantnagar, Karad.

Subject: - Educational visit of B.Sc. Part - II Microbiology students.

Sir,

As a part of educational tour a group of B.Sc. Part II Microbiology students One Hundred Six (106) from this college accompanied by their teachers (3) wish to visit your industry on **Tuesday, 11th April, 2023.**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,

Yours faithfully,

Principal

Yashwantrao Chavan College
of Science, Karad

11/4/2023
सहाद्री सहकारी साखर कारखाना लि;
यशवंतनगर, ता. कराड, जि. सातारा

11/4/2023
Distillery In-Charge
Sahyadri S. S. K. Ltd
Yashwantnagar, Tal. Karad,
Dist. Satara



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.
Study tour 2022-2023

- | | | | |
|----|--|----|--|
| 1) | Name of the Department | :- | Microbiology |
| 2) | Class & Subject for which
Tour is arranged | :- | B.Sc. Part II |
| 3) | No. of Students accompanying | :- | 106 |
| 4) | Place of visits and approximate Distance | :- | Sahyadri Sahakari Sakhar
Karkhana Ltd., Yashwantnagar. |
| | Distance | :- | 8 k.m. + 8 k.m. (Approx.) |
| | Total Distance | :- | 16 k.m. (approx) |
| 5) | Date of departure and arrival | :- | 11 th April, 2023 |
| | a) Departure from Karad | :- | 10.00 a.m. |
| | b) Visit to Sahyadri Sahakari
Sakhar Karkhana Ltd.,
Distillery Section | :- | 10.30 a.m. |
| | c) Lunch Break | :- | 01.00 p.m. |
| | d) Visit to Waste Treatment
Plant | :- | 02.00 p.m. |
| | e) Departure from S.S.Sakhar
Karkhana Ltd., Yashwantnagar:- | :- | 03.30 p.m. |
| | f) Arrival at Karad | :- | 04.00 p.m. |
| 6) | Mode of Journey | :- | S.T. Bus |
| 7) | Name of the Staff
accompanying tour | :- | Miss. Lohar S. A.
Miss. Shinde S. S.
Mr. Sutar K. A. |



(Tour in-charge)




HEAD
DEPARTMENT OF MICROBIOLOGY

Yashwantrao Chavan College of Science, Karad
DEPARTMENT OF MICROBIOLOGY
B.Sc. II (2022-2023)

We the undersigned students of B.Sc. II (Microbiology) are attending an educational tour with our teachers to Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar from 11/04/2023 (10.00 a.m.) till arrival at Karad to visit places of educational interest. We are traveling on our own risk and we further declare that we all will follow the time schedule & obey the orders of the incharge throughout the tour.

Roll No.	Name of the Student	Phone Number	Signature
P P 2151	BHANDAVALE ANIKET VISHWANATH	7499334092	Bhandvale
2152	CHANDANSHIVE TEJASWINI ROHIDAS	ABSENT	
2153	CHAVAN PRATHAMESH DHANAJI	ABSENT	
2154	DESHMUKH ANIKET BAPURAO	ABSENT	
2155	DIVASKAR VIVEK RAJENDRA	ABSENT	
P P 2156	KADAM PRATHAMESH DATTATRAY Prashant	53082568	Prashant
P P 2157	MALI SONALI RAJARAM	9370904155	Sonali
P P 2158	NIKAM VEDANTIKA MAHESH	7378340522	Nikam
P P 2159	ROKADE SAURABH BAPURAO	9309958998	Saurabh
P P 2160	SHIKALGAR NILOPHAR RAJEKHAN	7885174528	Shikalgar
2161	TAWARE PRASHANT TANAJI	ABSENT	
P P 2162	THORAT PRITI PANDURANG	9307299794	Prati
P P 2163	THORAT SNEHAL BHASKAR	9021593019	Snehal
P P 2171	AUNDHAKAR VAISHNAVI SATISH	8378912219	VAISHNAVI
P P 2172	ANGARAKHE GAURAV TANAJI	8766701831	Gaurav
P P 2173	CHAVAN SAKSHI SHIVAJI	8767367966	Sakshi
P P 2174	DESAI ALISHA SALIM	9960410495	A.S.Desai
P P 2175	DESAI PRIYANKA BALASO	8623995153	P.B.Desai
P P 2176	DESHMUKH SUPRIYA SANJAY	8459559185	Supriya
P P 2177	DESHMUKH TILOTTAMA SANJAY	9561000499	T.S.Deshmukh
P P 2178	DISALE SANDHYA PANDURANG	7498315705	Sandhya
2179	INAMDAR SHADAB JAMAL	ABSENT	
P P 2180	JADHAV KANCHAN MANSING	9130780053	Kanchan
P P 2181	JADHAV PRASAD SHRIMANT	7620205446	Prasad
2182	JADHAV PRASAD VISHWANATH	ABSENT	
P P 2183	JADHAV TEJASHRI MADAN	8459845488	Tejashri
P P 2184	JANGAM ANUSHRI DILIP	7447881393	Anushri
P P 2185	KHALKAR ARYA NARAYAN	8378958773	Arya
P P 2186	KHANDAIT PRAJAKTA UMESH	8767204036	Prajakta
2187	KHOT KOMAL SHAMRAO	ABSENT	
P P 2188	MAGARE AVANTIKA DATTARAY	8459302114	A.D.Magare



PP	2189	PADALKAR SAGAR DADASO	9356493302	Padalkar	P.C.
	2190	PANUGADE ANIKET RAJENDRA	ABSENT		
PP	2191	PATIL KRUPALI ASHOK	8080046531	Patil	P.C.
PP	2192	PATIL PRATHAMESH ANANDA	9130168002	Patil	P.C.
PP	2193	PATIL SANIKA PRAKASH	7757952111	Patil	
PP	2194	PATIL SANJANA TUKARAM	8767365519	Patil	
PP	2195	PATIL SHIVANI BALU	9579645027	Patil	P.C.
PP	2196	PHUKE SUSHANT UTTAM	9511785554	S.U. Phuke	P.C.
PP	2197	POL SAKSHI ANNASO	9604175354	Pol	P.C.
PP	2198	RANBHOR NEHA ULHAS	7498734063	Ranbhor	P.C.
PP	2199	SANKPAL PRADNYA GANPAT	7757971195	P.G. Sankpal.	
PP	2200	SARGAR SARIKA NAMDEV	9309552249	Sargar	
PP	2201	SHINDE KSHITIJA VIJAY *	ABSENT		
	2202	SHINDE SAMIKSHA PRAKASH	ABSENT		
PP	2203	VEER ROHINI SHANTARAM	8625524672	Veer	P.C.
PP	2204	WADKAR PANKAJ SHRIKANTH	7709746483	Wadkar	
PP	2205	WALEKAR SAVITA BALASAHEB	8975144624	Walekar	
PP	2206	YADAV DIPALI DILIP	8208044740	Yadav	P.C.
PP	2207	YADAV MOHINI MANSING	7821908841	Yadav	P.C.
PP	2208	YADAV NEHA VILAS	8010265846	Yadav	P.C.
PP	2209	YADAV ROHAN JAYWANT	9307382380	Yadav	
PP	2210	YEWALE SHUBHAMRAJ SANJAY	8625896224	Yewale	P.C.
	2301	FASALE MARUTI SAMPAT	ABSENT		
	2302	KOKANI RAJKUMAR RAJU	ABSENT		
PP	2303	MALI HARSH AJIT	7378597067	Mali	
PP	2304	MASUGADE MANASI KRISHNA	9158208392	Masugade	
	2305	MUJAWAR MUSKAN AJIJ	ABSENT		
	2306	NIKAM NEHALI NANDKUMAR	9657822003	Nikam	
	2307	PAWAR VAISHNAVI BALASAHEB	ABSENT		
PP	2311	BHINTANE SHANTANU SUYOG Tanmay	9307321996	Bhintane	
	2312	BODHAGIRE VIKRAM RAVSO	ABSENT		
PP	2313	CHAVAN PRADNYA RAJENDRA	7972133347	Chavan	
	2314	DESAI SHANTANU KANTILAL	ABSENT		
PP	2315	JAGTAP ANURADHA ASHOK	9146597066	Jagtap	
PP	2316	KADAM SUJATA SANJAY	7666980142	Kadam	
PP	2317	MALI ASHARANI SATISH	7798462386	Mali	
PP	2318	MANE SHRUTIKA SURESH	9529109282	Mane	
PP	2319	MULLA MOHASINA MAHAMMAD	9373167643	Mulla	
PP	2320	NALAWADE ATUL DHARMARAJ	8668879618	Nalawade	
	2321	PATIL SHUBHAMRAJ VISHWAS	ABSENT		
PP	2322	PAWAR PRERANA GANESH	9021500191	Pawar	
PP	2323	PAWAR VAISHNAVI BAPUSO	8767740008	Pawar	
PP	2324	SHAIKH KARINA RASHID	8010734324	Shaikh	
PP	2325	SHINDE AVINASH ASHOK	9834649844	Shinde	
PP	2326	SHINDE SANKET ASHOK	ABSENT		
PP	2327	SUTAR SUJIT ANIL	7921088712	Sutar	



	2328	SWAMI SHREYAS DATTATRAY	9888910659	SSuet	
	2329	TAKPIRE RUSHABH BALU		ABSENT	
PP	2330	THORAT DURGA AMARSINH	9518300167	Atthorath	
PP	2331	THORAT SANJIVANI SANTAJI	9021485035	thorath	
	2332	ADSULE PRATHAMESH BHASKAR		ABSENT	
PP	2333	BHOSALE HARSHVARDHAN VIJAY	8308478688	harsh	
	2334	CHAVAN SANJANA ANIL		ABSENT	
PP	2335	JADHAV RUTUJA VIKRAM	9960572015	Res	
PP	2336	KALE SANIYA DAYANAND	9322093054	S.D. Kale	
PP	2337	KOLHAPURE SAYALI VIDYASAGAR	9356826053	S.V. Kolhapure	P.C.
PP	2338	MANE RUGVED RAJENDRA	8556994972	R.R. Mane	
PP	2339	PATIL VEDASHRI SANJAY	9356042353	Patil	
PP	2340	SALUNKHE RUTUJA KRUSHNAT	7499095807	Patil	
PP	2341	THORAT SHIVAM DATTATRAY	9359621782	Patil	
PP	2342	VARPE RUTUJA SHIVAJI	8600807186	Patil	
PP	2343	YADAV VAISHNAVI PRAKASH	9373821745	Patil	
PP	2164	SHINDE SAISH ISHWAR	8888087682	S.S. Shinde	P.C.
PP	2166	PATIL SAKSHI SAMBHAJI	9667259885	Patil	
PP	2532	Kajave Shritej Rajaram	751793199	Patil	P.C.
PP	2167	Shidruk Kajal Balaso	9623994757	Shidruk	P.C.
PP	2168	Choemare AKshata Ashok	7030537356	Choemare	P.C.
PP	2211	Shewale Aishwarya sayaji	8921519013	Shewale	P.C.
PP	2212	Salunkhe Divyaram Ashok	7219653601	Salunkhe	

Name of Accompanied staff

- 1) Shri. Kishor A. Sutar Kishor
- 2) Miss. S. A. Lohar Lohar
- 3) Miss. S. S. Shinde S.S. Shinde




HEAD
 DEPARTMENT OF MICROBIOLOGY

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

STUDY TOUR REPORT

Year 2022-2023

CLASS: B. Sc. II Microbiology

TOTAL NUMBER OF STUDENTS: ⁷⁸106

DATES OF STUDY TOUR: 11th April, 2023

PLACES OF VISIT: Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar

MODE OF JOURNEY: S. T. Bus

NAMES OF THE TEACHERS ACCOMPANYING: 1) Miss. Lohar S. A
2) Miss. Shinde S. S
3) Mr. Sutar K. A.

DATE & TIME OF DEPARTURE FROM KARAD: 11th April, 2023; 10.30 a.m.

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
11 th April, 2023	Sahyadri Sahakari Sakhar Karkhana Ltd, Distillery Section, Yashwantnagar	Students gained knowledge about the distillation process and the role of microorganisms in the fermentation of alcohol.

DATE & TIME OF ARRIVAL AT KARAD: 11th April, 2023; 04.00 p.m.



Teacher in-charge



Head of the Department



HEAD
DEPARTMENT OF MICROBIOLOGY



Estd. 1958

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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357

e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

RefNo. : Micro/66/2021-22

Date: - 06/06/2022

To,

**The Managing Director,
Sahyadri Sahakari Sakhar Karkhana Ltd.,
Yashwantnagar, Karad.**

Subject: - Educational visit of B.Sc. Part - II Microbiology students.

Sir,

As a part of educational tour a group of B.Sc. Part II Microbiology students one hundred twenty three (134) from this college accompanied by their teachers (4) wish to visit your industry on **Friday, 10th June, 2022.**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,

O.C
Encl. Officer



Prd 10/6/2022
सहाद्री सहकारी साखर कारखाना लि:
यशवंतनगर, ता. कराड, जि. सातारा

Yours faithfully,

[Signature]

Principal,
Yashwantrao Chavan College of Science
Karad

[Signature]
Distillery In - Charge
Sahyadri S. S. K. Ltd; Yashwantnagar
Tal. Karad, Dist. Satara

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.
Study tour 2021-2022

- | | | | |
|----|---|----|---|
| 1) | Name of the Department | :- | Microbiology |
| 2) | Class & Subject for which | :- | B.Sc. Part II |
| | Tour is arranged | | |
| 3) | No. of Students accompanying | :- | 134 |
| 4) | Place of visits and approximate Distance | | |
| | Place | :- | Sahyadri Sahakari Sakhar
Karkhana Ltd., Yashwantnagar. |
| | Distance | :- | 8 k.m. + 8 k.m. (Approx.) |
| | Total Distance | :- | 16 k.m. (approx) |
| 5) | Date of departure and arrival | :- | 10 th June, 2022 |
| | a) Departure from Karad | :- | 10.00 a.m. |
| | b) Visit to Sahyadri Sahakari
Sakhar Karkhana Ltd.,
Distillery Section | :- | 10.30 a.m. |
| | c) Lunch Break | :- | 01.00 p.m. |
| | d) Visit to Waste Treatment
Plant | :- | 02.00 p.m. |
| | e) Departure from S.S.Sakhar
Karkhana Ltd., Yashwantnagar:- | :- | 03.30 p.m. |
| | f) Arrival at Karad | :- | 04.00 p.m. |
| 6) | Mode of Journey | :- | S.T. Bus |
| 7) | Name of the Staff
accompanying tour | :- | Miss. Y. B. Yadav
Miss. P. V. Mane
Miss. S. A. Lohar
Mr. K. A. Sutar |


(Tour in-charge)




HEAD
DEPARTMENT OF MICROBIOLOGY

Yashwantrao Chavan College of Science, Karad

DEPARTMENT OF MICROBIOLOGY

B.Sc. II (2021-2022)

We the undersigned students of B.Sc. II (Microbiology) are attending an educational tour with our teachers to Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar from 10/06/2022 (10.00 a.m.) till arrival at Karad to visit places of educational interest. We are traveling on our own risk and we further declare that we all will follow the time schedule & obey the orders of the incharge throughout the tour.

Roll No.	Name of the Student	Phone Number	Signature	
		9511797870	SATTA	P
* 2161	ATTAR SAHIL GAFUR			
x 2162	BAGAL GANESH RAMCHANDRA		Pull	P
2163	BAHULEKAR PRAMIL SHANKAR	7385668417	Pramil	P
* 2164	BANSODE NIHAR RAVINDRA	7058121458	Abhishek	P
2165	BHISE SAKSHI ANANDRAO	9588674075	Abhishek	P
2166	BHOSALE RAJAT SANJAY	9861130505	Rajbhosale	P
2167	BHOSALE ROHIT RAVINDRA	7558322115	Rohit	P
2168	CHAVAN VISHAKHA SATISH	8002352480	Satish	P
2169	CHAVNYA AMISHA MAHADEV	9890983553	Amisha	P
2170	CHORGE MAYA SAMBHAJI	9925955502	Mst. Chorche	P
2171	DHUKATE SOMNATH SANJAY	8788830101	Somnath	P
2172	GAIKWAD TEJAS ANANDRAO	9420581205	Tejas	P
2173	INGAWALE SANDESH SHARAD	9798736743	Sandesh	P
2174	JADHAV PRITI SHIVAJI	9830353037	Priti	P
x 2175	JADHAV AKSHATA PRAKASH			
2176	JADHAV AROHI ANIL	9028166354	Arohi	P
2177	JADHAV SACHIN JAYWANT	7875565004	Sachin	P
* 2178	JADHAV VIRAJ KRISHNAT	9765798495	Viraj	P
2179	JAGDALE OMKAR MARUTI	7410106376	Omkar	P
2180	KADAM VIKRAM RAJARAM	9036403371	V.K. Kadam	P
2181	KAMBALE ATUL SANJAY	7620026038	Atul	P
* 2182	KAMBALE DIPAK PUNDALIK	8975208635	Dipak	P
2183	KANASE SEJAL JALINDAR	8446257475	Sejal	P
2184	KULKARNI SATLAJ GANESH	7720079128	Satulkarni	P
2185	KUMBHAR ASHISH ANIL			
2186	KURADE ABHISHEK ASHOK	7385115894	Abhishek	P
2187	MOHITE AKASH SNIL	9529743772	Akash	P
2188	MOHITE MANDAR YUVRAJ	8459402480	Mandar	P
2189	MULLA AFRIN CHAND	8888982486	A.C. Mulla	P
2190	MULLA HASINA RAMJAN	9689084980	Hasina	P
2191	NALAWADE SNEHAL ASHOK	8623967784	Snehal	P

10/06/22

✓ 2192	PALASE POOJA SHANKAR	8237929141	Palase	P
✓ 2193	PATIL AMRUTA BHAGWAN	9579810213	Amruti	P
2194	PATIL JAYKUMAR BHARAT	7058983472	Jaykumar	P
2195	PATIL PRATIK DHYANDEV	7822848842	Pratik	P
2196	PATIL PTATHAMESH DADASO ^{late}	7263093319	Pratik	P
* 2197	PAWAR MANOJ MADHUKAR	95117157870	Manoj	P
2198	PAWAR RASIKA NANA	9325019961	Rasika	P
* 2199	PAWAR SHUBHAM RAJESH	9561966166	Shubham	P
2200	PAWAR SNEHAL CHANDRAKANT	7387358898	Snehal	P
✓ 2201	PAWAR SRUSHTI VITTHAL	9834561307	Srushti	P
2202	PAWAR SWARALI ANIL	7277990665	Swarali	P
✓ 2203	RAUT VAIBHAVI HINDURAO	9970122414	V. Raut	P
* 2204	SAWANT RAMCHANDRA EKNATH	9699167366	Ramchandra	P
✓ 2205	SHEWALE SWATI ASHOK	8390428030	Swati	P
✓ 2206	SHINDE RUTUJA ANANDA	8010309650	Rutuja	P
✓ 2207	SHINDE SHUBHAM NANA	9767533705	Shinde	P
✓ 2208	SURYAWANSHI RAVIRAJ KASHINATH	8263911614	Ravi	P
✓ 2209	TALWAR SHILPA CHANDRAKANT	9370807319	Shilpa	P
2210	WAYDANDE SHUBHAM PANDHARINATH	7219145181	Shubham	P
2211	BARGE NIKITA SHIVAJI	7798029309	Nikita	P
2212	BHISE NIKITA ANIL	9322060912	Nikita	P
✓ 2213	CHAVAN ABHIJIT RAJESH	7098125125	Abhijit	P
2214	CHAVAN SANIKA MAHESH	7385057343	Sanika	P
✓ 2215	CHAVAN TEJAS ADHIKRAO	7498717395	Tejas	P
✓ 2216	DESHMUKH KOMAL VISHWANATH	9146391726	Komal	P
2217	DESHMUKH MADHURI MAHADEV	9049131899	M. M. Deshmukh	P
2218	DHEKALE KAJAL ANIL	8999762459	Dhekale	P
✓ 2219	FERE AKSHATA AJAY			P
2220	JADHAV ARTI SANJAY	8888395497	Arti	P
2221	JADHAV SANIKA HEMANT	8080297922	Sanika	P
2222	JADHAV VEDANTIKA BABANRAO	9767956377	Vedantika	P
✓ 2223	KADAM SAYALI JAGANNATH	9370646096	Sayali	P
2224	KADAM SUYASH BABASAHEB	9359618172	Suyash	P
2225	KATEKAR SWAPNALI PANDURANG	8237976005	Swapnali	P
2226	KHOT PRACHI RAJENDRA	8446228470	Prachi	P
2227	MAHAJAN SHIVAM SHIVAJI	87620773429	Shivam	P
2228	MALI ANURADHA DATTATREYA	8483885045	Anuradha	P
2229	MALI KISHORI SHANKAR	8483846315	Kishori	P
2230	MORE JOTI KISHOR	9766657051	Jyoti	P
✓ 2231	MUJAWAR SDDHIKA MANUDDIN			P
✓ 2232	MULLA MUBSARIRIN BASHIR			P
2233	MULLA SANA NURMOHAMMAD	8625080379	Sana	P
2234	NIGADE SANDHYA RAJU	9973714005	Sandhya	P

2235	NIKAM SNEHAL SAMPAT	8625960876	Nikam	P
2236	PATIL DHANASHRI SUBHASH	8421648139	Patil	P
2237	PATIL HARSHADA VISHWAS	9561403884	Patil	P
2238	PATIL RAJNANDINI ARUN	7755954012	Patil	P
2239	PATIL SHRUTI RAJARAM	8459435822	Patil	P
2240	PAWAR AKSHAY RAJENDRA	9158169229	Pawar	P
2241	PAWAR OMKAR SAMBHAJI	7273036161	Pawar	P
2242	PAWAR TEJASWI RAGHUNATH	8262019600	Pawar	P
2243	RAMUGADE ANJALI PANDURANG	8806650270	Ramugade	P
2244	SHEWALE ROSHAN LALASO	9130659847	Shewale	P
2245	SHINDE GAYATRI UDAY	8149253949	Shinde	P
2246	SHINDE SHIVAJI BHASKAR	8080134519	Shinde	P
2247	SHINDE SHIVRAJ BHASKAR	87350304140	Shinde	P
2248	SONAWALE SIDDHI VINOD	7822806052	Sonawale	P
2249	SUTAR GAYATRI PRADIP	7447272789	Sutar	P
2250	TONNE VIJAY RAMESH	9356542413	Tonne	P
2251	WAGH PRATIKSHA VASANT	758584433	Wagh	P
2386	DESAI SANGRAM UDAY	9819753020	Desai	P
2387	DUBAL SANIKA NITIN	9604892016	Dubal	P
2388	MALI SHUBHAM ADHIKRAO	7087574807	Mali	P
2389	MANE RAKESH VIJAY	9319737410	Mane	P
2390	NIGAVE SAURABH SHASHIKANT	9579946707	Nigave	P
2391	SANKPAL SANIKA MANSING	9284677316	Sankpal	P
2392	SANKPAL VAISHNAVI SANTOSH	9579598658	Sankpal	P
2393	SHINDE RUTUJA DIPAK			
2406	BADEKAR SHUBHAM PRASHANT			
2407	CHAUGHULE ARIYAN RAJKUMAR	9356467677	Chaugule	P
2408	DHEB RUPALI NATHURAM	7985671603	Dheb	P
2409	GURAV VISHWAMBAR SUNIL	7796547068	Gurav	P
2410	HANKARE PARSHURAM ANIL	7058294011	Hankare	P
2411	JADHAV SHREYASH RAJESH	9356950576	Jadhav	P
2412	JADHAV SURAJ DILIP	4322079713	Jadhav	P
2413	JADHAV SWETA SHSHIKANT	7035626768	Jadhav	P
2414	JADHAV TEJASVINI SUDHKAR	9766102542	Jadhav	P
2415	JAGTAP VAISHNAVI SANJAY	8261898457	Jagtap	P
2416	JAMBHALE SANSKRUTI SUBHASH	9561812247	Jambhale	P
2417	KARAPE DHANASHRI MAHADEV	7620036851	Karape	P
2418	LOHAR VISHAL BHAGWAT	9325612597	Lohar	P
2419	MALAVE PRANALI VAMAN	9011928574	Malave	P
2420	MANE KALYANI DHANAJI	9322695151	Mane	P
2421	NALAWADE PRATIKSHA RAJENDRA	7058176617	Nalawade	P
2422	PATIL MAYURESHWAR HANMANT			
2423	POL RUTUJA SUBHASH	8459740902	Pol	P
2424	SALUNKHE PRANITA SANJAY	7028459474	Salunke	P

2425	SALUNKHE PRATHMESH VAMAN	7750820985	Salunkhe	P
2426	SAPKAL SANIKA DHANAJI	7385129672	Sapkale	P
2427	SAPKAL SUPRIYA SANJAY	7052498350	Sapkale	P
2428	SHEWALE PRIYANKA KASHINATH	9301190819	Shewale	P
2431	JADHAV ANUSHKA SANTOSH	7620385990	Jadhav	P
2432	JADHAV OMKAR SHARAD			P
2433	JADHAV PRAJAKTA DHANAJI	9356423542	Jadhav	P
2434	LADE PIYUSHA PRAVIN	8862032038	Lade	P
2435	MUJAWAR ARSH AMIR	9373168592	Mujawar	P
2436	NIKAM AKANKSHA ASHOK	7350417413	Nikam	P
2437	PATIL SARTHAK ANANDRAO	7666328021	Patil	P
2438	PAWAR GAURI SAMBHAJI	9730708330	Pawar	P
2439	SAWAKHANDE SHREYA SIDHARTH	9923404002	Sawakhande	P
2466	KALE KIRAN SURESH	7559482705	Kale	P
2472	PATIL SHIVANI BAJIRAO	7385902805	Patil	P

Name of the staff :-

- 1) Shri. K. A. Sutar Sutar
- 2) Miss. S. A. Lohar Lohar
- 3) Miss. P. V. Mane - Mane




HEAD
 DEPARTMENT OF MICROBIOLOGY

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

STUDY TOUR REPORT

Year 2021-2022

CLASS: B. Sc. II Microbiology

TOTAL NUMBER OF STUDENTS: 134

DATES OF STUDY TOUR: 10th June, 2022

PLACES OF VISIT: Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar

MODE OF JOURNEY: S. T. Bus

NAMES OF THE TEACHERS ACCOMPANYING:

- 1) Miss. Y. B. Yadav
- 2) Miss. Lohar S. A
- 3) Miss. Mane P. V.
- 4) Mr. Sutar K. A.

DATE & TIME OF DEPARTURE FROM KARAD: 10th June, 2022; 10.30 a.m.

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
10 th June, 2022 (10.30 a.m. to 12.30 p.m.)	Sahyadri Sahakari Sakhar Karkhana Ltd, Distillery Section, Yashwantnagar	Students gained knowledge about the distillation process and the role of microorganisms in the fermentation of alcohol.
10 th June, 2022 (2.0 p.m. to 3.0 p.m.)	Sahyadri Sahakari Sakhar Karkhana Ltd, Waste Treatment Section, Yashwantnagar	Students gained knowledge about waste management in the sugar industry.

DATE & TIME OF ARRIVAL AT KARAD: 10th June, 2022; 04.00 p.m.



Teacher in-charge



Head of the Department

HEAD
DEPARTMENT OF MICROBIOLOGY

Estd. 1958

|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715 Index No. J 21.02.002

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref No. : Micro/29/2021-22

Date: - 18/05/2022

To,

**The Managing Director,
Sahyadri Sahakari Sakhar Karkhana Ltd.,
Yashwantnagar, Karad.**

Subject: - Educational visit of B.Sc. Part - III Microbiology students.

Sir,


As a part of educational tour a group of B.Sc. Part III Microbiology students one hundred twenty three (123) from this college accompanied by their teachers (3) wish to visit your industry on **Saturday, 21st May, 2022.**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,


for **Distillery In - Charge**
Sahyadri S. S. K. Ltd; Yeshwantnagar
Tal. Karad, Dist. Satara

Yours faithfully,


Principal
Yashwantrao Chavan College
of Science, Karad.




Sahyadri Sahakari Sakhar Karkhana Ltd.
Yeshwantnagar - 415 124.
Karad, Dist. Satara (Maharashtra State)

o.c

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD.
Study tour 2021-2022

- 1) **Name of the Department** :- Microbiology
- 2) **Class & Subject for which** :- B.Sc. Part III
- Tour is arranged**
- 3) **No. of Students accompanying** :- 123
- 4) **Place of visits and approximate Distance**
- Place** :- Sahyadri Sahakari Sakhar
Karkhana Ltd., Yashwantnagar.
- Distance** :- 8 k.m. + 8 k.m. (Approx.)
- Total Distance** :- 16 k.m. (approx)
- 5) **Date of departure and arrival** :- 21st May, 2022
- a) **Departure from Karad** :- 10.00 a.m.
- b) **Visit to Sahyadri Sahakari
Sakhar Karkhana Ltd.,
Distillery Section** :- 10.30 a.m.
- c) **Lunch Break** :- 01.00 p.m.
- d) **Visit to Waste Treatment
Plant** :- 02.00 p.m.
- e) **Departure from S.S.Sakhar
Karkhana Ltd., Yashwantnagar:-** 03.30 p.m.
- f) **Arrival at Karad** :- 04.00 p.m.
- 6) **Mode of Journey** :- S.T. Bus
- 7) **Name of the Staff
accompanying tour** :- Miss. K. A. Yadav
Miss. P. V. Mane
Mr. K. A. Sutar


(Tour in-charge)




HEAD
DEPARTMENT OF MICROBIOLOGY

Yashwantrao Chavan College of Science, Karad

DEPARTMENT OF MICROBIOLOGY

B.Sc. III (2021-2022)

UNDERTAKING

We the undersigned students of B.Sc. III (Microbiology) are attending an educational tour with our teachers to Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar from 21/05/2022 (10.00 a.m.) till arrival at Karad to visit places of educational interest. We are traveling on our own risk and we further declare that we all will follow the time schedule & obey the orders of the incharge throughout the tour.

Roll No.	Name of the student	Phone No.	Signature
3501	BHIMANI LIZABIN ASHWINIBHAI	7378967820	Lizabini
3502	BENDRE ABHAY SHAMRAO	7218273209	AbDandre
3503	BHINTADE GAYATRI SANTOSH	9552988549	Bhintade
3504	BHOSALE SAKSHI RAJENDRA	7249673715	Bhosale
3505	BORGAONKAR NIKITA BHANUDAS	9404844680	Borgaonkar
3506	BORGE SHUBHANJI VASANT	8390967593	Borge
3507	BUDHE JAYASHRI JAYVANT	9763452339	Budhe
3508	BURANE YOGITA SHAHAJI	9307131161	Burane
3509	CHAVAN RUTUJA SAMBHAJI	7768989562	Chavan
3510	CHAVAN SHRITIKA BALKRISHINA	9022735848	Chavan
3511	CHAVAN SONALI KRISHNAT	9322514019	Chavan
3512	CHAVAN VAIBHAV SAMPAT	7666825925	Chavan
3513	CHAVAN VRUSHALI ABASO	9970831938	Chavan
3514	CHORAGE VIDYA HANMANT	9307276676	Chorage
3515	DESAI AKANKSHA ADHIKRAO	9168817038	Desai
3516	DESAI SNEHAL SAMBHAJI	9579396313	Desai
3517	DESHMUKH PRIYANKA ASHOK	7350693766	Deshmukh
3518	DESHMUKH RUTUJA UMESH	9096541901	Deshmukh
3519	DHAGALE POOJA DADASO	8698498731	Dhagale
3520	DHUMAL RUSHIKESH RAJENDRA	7878677043	Dhumal
3521	DIXIT ROHIT SUNIL	7066964602	Dixit
3522	DOUNDE CHINMAY NITIN	9325303393	Dounde
3523	DURYAWANSHI AISHWARYA	8625017232	Duryawanshi



3557	KHADE CHAITANYA BALASO	9112980233	<u>SBS</u>
3558	KHAIRMODE MAYURI SANJAY	7558562169	<u>Khajurisk</u>
3559	KHARAT SONALI VIJAY		
3560	KOLEKAR SACHIN NAVANATH		
3561	KUMBHAR AKSHAY GANESH	9970225087	<u>Shur</u>
3562	KUMBHAR PRATHMESH HANMANT	9168310993	<u>Prathm</u>
3563	LAD ASHVINI HARIBA	8767010664	<u>Adil</u>
3564	LAVATE SHUBHAM ANNASO	7558387470	<u>A</u>
3565	MALI ANKITA SHIVAJI	9146834612	<u>Asmali</u>
3566	MALI KAJAL HANMANT	7038417390	<u>Asmali</u>
3567	MALI SHUBHAM SHIVAJI	7517280301	<u>Asmali</u>
3568	MANE SUCHITA SADASHIV	7878928710	<u>Mane</u>
3569	MANE TEJAS RAMSHARAM	8329705770	<u>Mane</u>
3570	MOLAWADE SHUBHAM SUHAS	8600311694	<u>Suh</u>
3571	MORE PRAGITI RAMCHANDRA	9921069253	<u>Amore</u>
3572	MULLA MASHIRA MUSTAQ	7385027687	<u>Mashira</u>
3573	NADAF SIDDEEKA ALMASHAHA	9322954797	<u>SN</u>
3574	NADAF SIMRAN SHAUKAT		
3575	NALAWADE ADITI RAMESH	7517617243	<u>Aditi</u>
3576	NALAWADE VINOD SHAMRAO		
3577	NIKAM VIVEK JAYAWANT	7499687758	<u>NK</u>
3578	PANASKAR ANKITA MADHUKAR	7249681036	<u>Panaskar</u>
3579	PATEKAR KAJAL ROHIDAS	9922387975	<u>KRpatekar</u>
3580	PATEL ARSHIYA MOHAMMAD	9518537222	<u>Arf</u>
3581	PATEL SUMMAIYA RAFIK		
3582	PATHAN AAYESHA SHANKAR	8767892189	<u>Sithan</u>
3583	PATIL AJINKYA SAMPAT	7168073309	<u>Patil</u>
3584	PATIL HARSHADA BAJARANG	9870860685	<u>Patil</u>
3585	PATIL NIKITA GANPAT	9922813865	<u>NPatil</u>
3586	PATIL PRAJAKTA PRAKESH	9307581301	<u>Prajakta</u>
3587	PATIL PRIYANKA SUDHIR	8308795290	<u>Patil</u>
3588	PATIL SAKSHI SANJAY	9175743657	<u>Sakti</u>
3589	PATIL SHRADDHA BALASO	8010736114	<u>Patil</u>
3590	PATVEKAR ARSHIYA ARIPI	9860085413	<u>Aratvekar</u>



	CHANDRAKANT		
3524	GAIKWAD PRANALI SUHAS	7420853651	Pranali
3525	GALVE KISHOR RAGHUNATH	8552802091	Galve
3526	GURAV PRAKASH SUNIL	8007243371	Prakash
3527	GHADAGE SAYALI NARAYAN	8767348679	Sayalide
3528	GHADAGE SHRADDHA DIPAK	9067131395	Shradhge
3529	GHAGADE ANISHA GORAKHI	7709726167	Aghadage
3530	GHARGE MAYURI NIVAS	7709451833	Gyerge
3531	GIRI SATYAM RAJARAM	7720905404	Giriraj
3532	GURAV RUCHITA KRISHNAT	7499746957	Guravk
3533	HAJARI KISHORI DATTATRAY	8177965384	Hajarajee
3534	HKAMKAR SNEHAL HANMANT	9307853845	Hkamkar
3535	INGALE AKANSHA HANMANT	9623998203	A.H. Ingale
3536	JADHAV GANESH BABAN	9322315587	Jadhav
3537	JADHAV GAURI ANKUSH	9356012095	Jadhav
3538	JADHAV RUSHIKESH RAMESH	8483008049	R. S. Jadhav
3539	JADHAV SAKSHI INDRAJEET	7057172224	Jadhav
3540	JADHAV VISHAKHA BAPUSO	7822861224	Vyathav
3541	JAGDALE NIKITA VIJAY	8237233635	Jagdale
3542	JAMADAR SAJIDA SALIM	8698826469	Jamadar
3543	JARAG ROHINI MAHADEV	7499752578	Rohini
3544	JAWALE RENUKA DIPAK	8329600315	Jawale
3545	KADAM AKASH ARUN	8624012750	Kadam
3546	KADAM DHREERAJ ANANDA	8956790315	Kadam
3547	KALAMBE ANKITA ADHIKRAO	8000312579	Kalamb
3548	KALE ASMITA SATISH	7218428977	Kale
3549	KALE AVISHKAR MOHAN	705886507	Kale
3550	KALE TRUPTI SUNIL	8378922900	Kale
3551	KALEBAG SHRUTI KALEBAG	8805207133	Kalebog
3552	KALENTRE TEJASHWINI ASHOK	9834297207	Kalentre
3553	KANSE ANKITA AKARAM	7498992612	Kanse
3554	KARANDE PALLAVI PRAKASH	9604450644	Karande
3555	KAVADE SHUBHAM CHANDRAKANT	8554033694	Kavade
3556	KHADE ABOLI DATTATRAYA		



3591	PAWAR NAGESHWARI VIKAS	8956292738	N.V.Pawar
3592	PAWAR POOJA RAJU	8975221839	Pawar.
3593	PAWAR PRITI DADASAHEB	7841995591	Pawar.
3594	PAWAR SWAPNALI SUNIL	909407379	Swapar
3595	PAWAR VAISHNAVI SATISH		
3596	SAGAR TRUPTI SUNIL	7219255923	Sagar.
3597	SALUNKHE PRANALI PRAKASH	7720936557	Salunkhe.
3598	SALUNKHE SHRADHA RAMESH	7522958835	S.Salunkhe
3599	SALUNKHE VISHWAJEET ARJUN	7499071233	Salunkhe.
3600	SAWANT ANIKET BABURAV	7219256128	Sawant.
3601	SAWANT HIMANSHU SANJAY	9322596338	Sawant.
3602	SAWANT SWAPAJA SHIVAJI	7666411045	Sawant
3603	SAYYAD SIMRAN IQBAL		
3604	SHEWALE SHUBHANGI TUKARAM	8767839095	Shewale
3605	SHINDE RASHIKA RAMCHANDRA	8379887329	Shinde
3606	SHINDE SHEREYA SHRIKANT	7499405799	Shinde
3607	SONALWALE ADINATH ANANDA	9121690494	Sonalwale
3608	SURVE RUTUJA BABASO	7057324272	Surve
3609	SUTAR SUPRIYA ARVIND	8623837731	Sutar
3610	SUTAR VAISHWANI DAYANAND	7447540895	Sutar.
3611	THORAT DIPIKA DILIP		
3612	UKIRDE SANKET RAJENDRA	965487312	Ukirde
3613	YADAV PRASAD RAJENDRA	9309938660	Yadav
3614	YADAV PRATIKSHA SATISH	9067625134	Yadav
3615	ZENDE RUTUJA SANTOSH	8067478230	R.S.Zende
3616	PAWAR ARCHANA BHIMRAO		
3617	KHARAT RUTUJA NANA	8767963407	Khawat
3618	UGALE POOJA SHRIMANT	8459900420	Ugale
3619	Sagare pallavi Arvind	7035687070	Sagare
3620			
3621			
3622	KHAIRATKHAN AALIYA ASIF	7721001847	Khairatkh.
3623	Phutane Rutuja Dattatray	9527785761	Phutane



HEAD
DEPARTMENT OF MICROBIOLOGY

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DATE:	REF. NO.: YCCSK/LAB/F –
PAGE :	REV. NO.: 00

STUDY TOUR REPORT

Year 2021-2022

CLASS: B. Sc. III Microbiology

TOTAL NUMBER OF STUDENTS: 123

DATES OF STUDY TOUR: 21st May, 2022

PLACES OF VISIT: Sahyadri Sahakari Sakhar Karkhana Ltd, Yashwantnagar

MODE OF JOURNEY: S. T. Bus

NAMES OF THE TEACHERS ACCOMPANYING: 1) Miss. K. A. Yadav
2) Miss. Mane P. V.
3) Mr. Sutar K. A.

DATE & TIME OF DEPARTURE FROM KARAD: 21st May, 2022; 10.00 a.m.

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
21 st May, 2022 (10.30 a.m. 12.30 p.m.)	Sahyadri Sahakari Sakhar Karkhana Ltd, Distillery Section, Yashwantnagar	Students gained knowledge about the distillation process and the role of microorganisms in the fermentation of alcohol.
21 st May, 2022 (2.0 p.m. 3.0 p.m.)	Sahyadri Sahakari Sakhar Karkhana Ltd, Waste Treatment Section, Yashwantnagar	Students gained knowledge about waste management in the sugar industry.

DATE & TIME OF ARRIVAL AT KARAD: 21st May, 2022; 04.00 p.m.

Teacher in-charge



Head of the Department

HEAD
DEPARTMENT OF MICROBIOLOGY

LINKAGE



Yashwantrao Chavan College of Science, Karad

&



**Yashwantrao Chavan Institute of Science, Satara
(Autonomous)**

Linkage is signed on 28th December 2018 between **Department of Botany, Yashwantrao Chavan College of Science, Karad (First Party)** and **Department of Botany, Yashwantrao Chavan Institute of Science, Satara (Autonomous) (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training, research to the students with jointly organizing conference/seminars and publishing research work in the form of research articles, books, book chapters etc. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.



- 2) Both parties agreed to do research with exchange of ideas and publish the work in reputed journals and publishers in the form of research articles, books, book chapters, editorials etc.
- 3) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 4) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 5) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 28th December 2018.


Party	First Party	Second Party
Institute	Yashwantrao Chavan College of Science, Karad	Yashwantrao Chavan Institute of Science, Satara
Signature		
Designation	Head, Department of Botany Department of Botany Yashwantrao Chavan College of Science, Karad	Head, Department of Botany Head Department of Botany Y.C. Institute of Science, Satara
Signature		
Designation	Principal Yashwantrao Chavan College of Science Karad	Principal Yashwantrao Chavan Institute of Science Satara
Seal		

Yashwantrao Chavan College of Science, Karad
Department of Botany
Linkage with
Yashwantrao Chavan Institute of Science, Satara
(Autonomous)

Activity Conducted – Guest Lectures

1. Served as a Resource person and delivered a lecture on “Grass Taxonomy” in Hands on Training in Plant Taxonomy organized by Department of Botany, Yashwantrao Chavan Institute of Science, Satara on 29th December 2018.
2. Worked as a examiner in Rayat Central Inspire Research Festival under Rayat Inspire Project, Rayat Shikshan Sanstha, Satara organized by Yashwantrao Chavan Institute of Science, Satara on 10th January 2020.
3. Served as a Resource person and delivered a lecture on “Digital Herbarium” under Lead College Activity organized by Department of Botany, Yashwantrao Chavan Institute of Science, Satara on 17th November 2022.




Principal,
Yashwantrao Chavan College
of Science, Karad.



Rayat Shikshan Sanstha's

Yashwantrao Chavan Institute of Science, Satara

(Autonomous College)

Satara - 415001, Maharashtra (India)

Founder: **Padmabhushan Dr. Karmaveer Bhaurao Patil, D.Litt.**

NAAC Reaccredited at the 'A+' Grade with CGPA-3.57

UGC-CPE Status, DBT-STAR, DST-FIST ISO-9001-2015 Certified



Estd.: 1965

Uni No. UKF/565/U/5

Phone/Fax : 02162-234392



Principal :- **DR. K. G. KANADE**
M.Sc., M.Phil., Ph.D.

Email : ycis.satara65@gmail.com

Website : www.ycis.ac.in

Ref. No. 1764/2018-19

Date : 29/12/2018

To,

Dr. Girish G. Potdar
Department of Botany
Yashwantrao Chavan Science College
Karad

Respected Sir

We feel extremely honoured to extend to you an invitation to attend the workshop on "Hands-on training in Plant Taxonomy" as a resource person and deliver a lecture on the topic "Grass Taxonomy". We also request you to be the resource person for the practical session on "Grass Dissection" in the afternoon. The workshop being jointly organised by NGCPR and our institute is a part of Faculty Development Program which would prove beneficial for graduate students, post graduate students and Botany faculty in colleges of Satara District. The workshop will be held on 29th December 2018 at our institute.

Kindly accept our invitation and oblige.

Thanking you in anticipation.

Yours Sincerely

Dr. Mrs. V. C. Karande
UG Dean and Head
Department of Botany



Principal
Y. C. Institute of Science,
Satara



Rayat Shikshan Sanstha's

Yashwantrao Chavan Institute of Science, Satara

(Autonomous College)

Satara - 415001, Maharashtra (India)

Founder : **Padmabhushan Dr. Karmaveer Bhaurao Patil, D.Litt.**

NAAC Reaccredited at the 'A+' Grade with CGPA-3.57

UGC-CPE Status, DBT-STAR, DST-FIST ISO-9001-2015 Certified



Estd.: 1965

Uni No. UKF/565/U/5

Phone/Fax : 02162-234392



Principal :- **DR. K. G. KANADE**
M.Sc., M.Phil., Ph.D.

Email : ycis.satara65@gmail.com

Website : www.ycis.ac.in

Ref. No. 176A/2018-19

Date : 29/12/2018

To,
Dr. G. G. Potdar
Assistant Professor,
Department of Botany,
Y. C. College of Science,
Karad

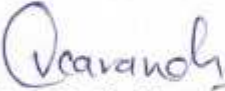
Subject: Letter of appreciation....

Respected Sir,


We are grateful to you for participating as laboratory 'Resource Person' during the one day workshop "Hands-on training in Plant Taxonomy" at Department of Botany, Yashwantrao Chavan Institute of Science, Satara. We, once again, would like to express our sincerest gratitude towards you for such a commendable job and hope for such academic interactions from you in future also.

Thanking You

Yours Sincerely


Dr. Mrs. V. C. Karande
Dean & Head, Dept. of Botany
Y. C. Inst. of Science, Satara




Dr. K. G. Kanade
Principal,
Y. C. Inst. of Science, Satara



Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara (Autonomous)

Reaccredited by NAAC with A+ Grade (CGPA 3.57),
College with Potential for Excellence, FIST by DST, Star College by DBT, ISO 9001:2015 Certified

RAYAT CENTRAL INSPIRE RESEARCH FESTIVAL
10th January 2020

CERTIFICATE

This is to certify that Mr./Ms./Dr. G. G. Patdar
of Y.C. Science College, Karad . Dept. of Botany
has Participated / Worked as examiner / Resource Person / Presented research work in "Rayat central inspire research festival" under Rayat Inspire Project, Rayat Shikshan Sanstha, Satara organized by Yashavantrao Chavan Institute of Science, Satara (Autonomous)

Dr. R. B. More
Coordinator

Dr. K. G. Kanade
Director



रयत शिक्षण संस्थेचे

यशवंतराव चव्हाण इन्स्टिट्यूट ऑफ सायन्स, सातारा.

(स्वायत्त महाविद्यालय)

सातारा - ४१५००९, महाराष्ट्र (भारत)

संस्थापक : पद्मभूषण डॉ. कर्मवीर भाऊराव पाटील, डी. लिट.

UGC-CPE Status, DBT-STAR, DST-FIST ISO-9001-2015 Certified CGPA-3.57



Uni No. UKF/565/U/5

स्थापना.: १९६५

प्राचार्य :- डॉ. बी. टी. जाधव
एच. एस्सी., एच. फिल., पीएच. डी.

जावक क्र. २०१३/२०२२-२३

दिनांक : 15/11/2022

To,

Dr. G. G. Potdar,

Assistant Professor

Yashwantrao Chavan College of Science, Karad

Karad- 415124

Subject: Invitation as resource person in a workshop under lead college activity

Dear Sir,

Yashwantrao Chavan Institute of Science, Satara (Autonomous) is organizing a workshop on a topic '**Digital Herbarium and Biodiversity Conservation**' under Lead College Activity, Shivaji University, Kolhapur. On behalf of Department of Botany, we are delighted to invite you as a resource person for the same. The workshop is organized on **Thursday, 17 November 2022 at 11.00 am** onwards. We request you to accept our invitation, as your knowledge will be beneficial for our students in their further endeavors.

Thanking you in anticipation.

Yours Faithfully,


Principal,

Y.C. Institute of Science, Satara



Rayat Shikshan Sanstha's

Yashwantrao Chavan Institute of Science, Satara

(Autonomous College)

Satara - 415001, Maharashtra (India)

Founder : Padmabhushan Dr. Karmaveer Bhaurao Patil, D.Litt.

UGC-CPE Status, DBT-STAR, DST-FIST ISO-9001-2015 Certified



CGPA-3.57



Uni No. UKF/565/U/5

Estd.: 1965

Principal :- DR. B. T. JADHAV
M.Sc., M.Phil., Ph.D.

Ref. No. 2123/2022-23

Date : 17/11/2022

To,

Dr. G. G. Potdar,

Assistant Professor

Yashwantrao Chavan College of Science, Karad

Karad- 415124

Subject: Letter of appreciation.

Dear Sir,

It was a pleasure for us to hear such a wonderful lecture in a workshop on a topic 'Digital Herbarium' under Lead College Activity held on 17th November 2022 at Department of Botany, Yashwantrao Chavan Institute of Science, Satara. We truly appreciated and got benefited from your views on the subject. We once again, would like to express our sincerest gratitude towards you for such a commendable job and hope to get a chance to hear such informative lecture from you in future also.

Thanking you.

Yours Faithfully,

Principal,
Y.C. Institute of Science, Satara

LINKAGE



Yashwantrao Chavan College of Science, Karad

&



Yashwantrao Chavan Institute of Science, Satara (Autonomous)

Linkage is signed on 28th December 2018 between **Department of Botany, Yashwantrao Chavan College of Science, Karad (First Party)** and **Department of Botany, Yashwantrao Chavan Institute of Science, Satara (Autonomous) (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training, research to the students with jointly organizing conference/seminars and publishing research work in the form of research articles, books, book chapters etc. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.



- 2) Both parties agreed to do research with exchange of ideas and publish the work in reputed journals and publishers in the form of research articles, books, book chapters, editorials etc.
- 3) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 4) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 5) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 28th December 2018.

Party	First Party	Second Party
Institute	Yashwantrao Chavan College of Science, Karad	Yashwantrao Chavan Institute of Science, Satara
Signature		
Designation	Head, Department of Botany Department of Botany Yashwantrao Chavan College of Science, Karad	Head, Department of Botany Head Department of Botany Y.C. Institute of Science, Satara
Signature		
Designation	Principal Yashwantrao Chavan College of Science Karad	Principal Yashwantrao Chavan Institute of Science Satara
Seal		

**MEMORANDUM OF UNDERSTANDING
(MOU)**

BETWEEN

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Karad-Masur Road, Vidyanagar, KARAD – 415124., District : Satara, Maharashtra

&

RADIAL MICRO-BIOTECH SERVICES

108, Opposite Cottage Hospital, Karad - 415110, Maharashtra,

FOR

**SKILL DEVELOPMENT, OUTCOME BASED TRAININGS,
PLACEMENT, R&D SERVICES AND RELATED SERVICES**

SCOPE

Department of Microbiology, Yashwantrao Chavan College of Science, Karad and Radial
Micro-biotech Services, Karad



Estd. 1958

|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the 01/01/2019 for **SKILL AND COMPETENCY DEVELOPMENT, OUTCOME BASED TRAININGS, PLACEMENT AND RELATED SERVICES.**

BETWEEN

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, Address: Karad-Masur Road, Vidyanagar, KARAD – 415124., District : Satara, Maharashtra, Email : prinyccsk@gmail.com, Tel No. 02164 271356 / 271357, **The FIRST PARTY REPRESENTED** herein by **Principal, Dr. S.B. Kengar.**

AND

RADIAL MICRO-BIOTECH SERVICES, Address : 108, Opposite Cottage Hospital, Karad - 415110, Maharashtra, E mail : radialmicrobiotech@gmail.com, Tel No. 9004040721, the **Second PARTY,** **Santosh M. Lokhande , Managing Partner/Technical In-charge** Radial Micro-biotech Services

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

WHEREAS:

Scope of this MEMORANDUM OF UNDERSTANDING (MOU) is Department of Microbiology, Yashwantrao Chavan College of Science, Karad and Radial Micro-biotech Services, Karad

- A) First Party is a Higher Educational Institution named: **Yashwantrao Chavan College of Science, Karad**
- B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.
- D) **Radial Micro-Biotech Services** – The Second Party is expertise **competent professional service provider** engaged in Business, Manufacturing, Skill Development, Education and R&D, Consultation Services in the fields of all type of Microbiology, chemical analysis, Biotech, aseptic processing and for Pharmaceutical /Hospitals/Agro/ Food processing/ Waste Management (Microbiological) .
- Pl.* refer detailed profile: Competency and experience of Radial Micro-Biotech Services as separate **Attachment -1**

Pl. **NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS:**

CLAUSE 1 - CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry.

- 1.3 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties.

CLAUSE 2 - SCOPE OF THE MoU

- 2.1 **Enhance skills and knowledge:** The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry with respect to cGMP, cGLP, QMS trainings. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.
- 2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Mock Interviews design and short listing, guidance:** Second Party will give valuable inputs to the First Party in Mock Interviews methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.4 **Visits:** Industry and Institution interaction will give an insight in to the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group.
- 2.5 **Industrial Training:** The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career.

The Second Party will provide /involves its Labs / Workshops / Industrial Sites for the hands-on training of the learners enrolled with the First Party, at least two time (full working day) in year either at FIRST PARTY location or at SECOND PARTY location. Expenses incurred during workshop on chemical /reagents shall be drawn by mutually agreed upon or individually by both parties during course of training.

- 2.6 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of Microbiology, chemical analysis, Biotech, aseptic processing for Pharmaceutical/Hospitals/Agro/ Food processing/ Waste Management (Microbiological). Expenses incurred during research activities, the chemical /reagents shall be drawn by mutually agreed upon by both parties or by initiator of research activities.

While second party will provide complete guidance and review on research activities.

- 2.7 **Skill Development Programs:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready. Subjected to registration of students with SECOND party on its own/voluntary with paid basis without any enforcement for registration.

- 2.8 **Guest Lectures:** SECOND PARTY to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements either paid or voluntary.

- 2.9 **Faculty Development Programs:** Second Party to train the Faculties of First Party for imparting training as per the industrial requirement in concerned sector, if available.

- 2.10 **Placement of Trained Students:** Second Party will actively engage to help the delivery of the training and placement of students of the First Party into internships/jobs; and will facilitate placements.

- 2.11 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programmes on the terms specified herein.
- 2.12 There is no financial commitment of both parties, If there is any financial consideration, it will be dealt separately.

CLAUSE 3: INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the both Party. If any, it will be dealt separately.

CLAUSE 4: VALIDITY

- 4.1 This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms, during which period **Radial Micro-Biotech Services**, the Second Party, as the case may be, will take effective steps for implementation of this MOU.
- 4.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

CLAUSE 5 : RELATIONSHIP BETWEEN THE PARTIES

- 5.1 It is expressly agreed that **First Party** and **Second Party** are acting under this MOU as independent parties and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any

Estd. 1958



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☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party. This is completely non-binding mutually agreed association with both parties for student benefit.

First Party

Yashwantrao Chavan College of Science, Karad



Principal,
Yashwantrao Chavan College of Science
Karad

Authorized Signatory and Seal

Yashwantrao Chavan College of Science, Karad

Contact Information:

Yashwantrao Chavan College of Science, Karad	Radial Micro-Biotech Services
Address : Karad-Masur Road, Vidyanagar, KARAD – 415124., District : Satara, Maharashtra,	Address : 108, Opposite Cottage Hospital, Karad - 415110, Maharashtra, ,
Contact Details : 02164 271356 / 271357	Contact Details : 9004040721
E-mails : prinyccsk@gmail.com	E-mails : radialmicrobiotech@gmail.com
Web : www.yccskarad.com	Web : www.radialmicrobiotech.com

Second Party

Radial Micro-Biotech
Services

AGREED:


Authorized Signatory
Radial Micro-Biotech Services
108, Opp.to Cottage Hospital
KARAD.415110.

Authorized Signatory and Seal

Radial Micro-Biotech Services

Santosh Mallikarjun Lokhande (M. Sc. Microbiology)

Phone: +919004040721 , Mail: santoshmlokhande@rediffmail.com

PERSONAL POFILE

- Date of birth : July 20, 1977
- Address : 108, Budhwar Peth, Opposite Cottage Hospital, Karad - 415110, Dist. Satara , Maharashtra | radialmicrobiotech@gmail.com , www.radialmicrobiotech.com
- Educational Qualification : **M.Sc.(Microbiology)** in the Year 1999 with 60.0% from Yashwantrao Chavan College of Science, Karad (Shivaji University), **B.Sc.(Microbiology)** in the Year 1997 with 67.0% from S.G.M.Collage Karad, **FDA approval in chemical, instrumentation and Microbiology.**
- Languages : Hindi, English, Marathi.
- Interests: : QMS, QA, Validation, Application specialist, Quality Control.
- Total years of Experience : 18+ years in Pharmaceutical Industries. (Sterile formulations and API, Biotech, API, Tablets Capsules, Cosmetics, Food). Expertise in all type Microbiological/Biotechnological analysis of ISO, EN, AOAC, IP,BP,USP methods and aseptic processing.
- Present Profile : Managing Partner/Owner/Technical co-ordinator, Radial Micro-biotech Service, Independent technical consultant for Lab set-up, Training, testing and compliance from Apr-2017, Associated with Pammvi group of companies as Sr. Techno-commercial expert for WAKO bacterial endotoxin reagents and instrument. Holds sub-techno-commercial distribution for Biotech IUL instruments Spain, for some states in india, www.iul-inst.com . Hold sub-techno-commercial distribution H2O2 base cold sterilent for OT theatres Belgium base company

KEY CAREER EXPOSURES IN QUALITY CONTROL

Quality management systems ⇨ all quality related documentations ⇨ technology transfer documents ⇨ sop's management ⇨ AMC and vendor management ⇨ gap analysis ⇨ calibration of instruments ⇨ systems establishments ⇨ Laboratory set up ⇨ facility and instrument qualification ⇨ audits ⇨ Leadership qualities ⇨ analytical thinker & problem solver ⇨ expertise in method development microbiology, method validation ⇨ instrument handling.

TECHNICAL SKILLS

- ✓ Expertise in Microbiological analysis as per IP,BP,EP,USP,ISO ,EN and other regulators , CSSD department, Health and hygiene management in plant, hands on chemical analysis and review. Analytical support and involvements audit compliance , investigation of product complaints , Tech transfer, OOS, CAPA, URS,IQ, OQ and PQ documents and timely completion using state of art trouble shooting techniques
- ✓ Expertise in Preparation and execution validation protocols of evaluation antimicrobial garments protocol, Disinfectant efficacy protocol, Sterility testing protocols, Media fill protocols. DHS validation , preservative efficacy Test protocol, Media fill protocol, MLT validation protocol, BET validation protocol, Antibiotic and vitamins microbiological assay validations, shelf life protocol of In-house prepared Media , garment and accessories storage validity protocols, Cleaning verification protocol, Analyst qualification and training protocol. microbiological environmental monitoring protocols, Clean room Hygiene practices protocols, gowning qualifications, cleaning & sanitization protocols, Evaluation and identification microbiological risk assessment and defining necessary Corrective and preventive actions.

MANAGEMENT SKILLS

- ✓ Resourceful professional skilled in designing, developing and executing quality assurance and quality control processes, test strategies, test plans; skilled in featuring design documents, as well as application. Holds the credit of handling multiple projects in the same time delivering quality outcomes within timelines and budget.
- ✓ Established, implemented and maintained current GXP – GLP, GMP, safety and GDP Systems in Microbiology and Quality control Laboratory.
- ✓ Culture management, Isolation and identification of isolates etc.
- ✓ Successfully worked and faced for USFDA, TGA, WHO, , ISO , NABL internal audits, Vendor audits.
- ✓ Adept in selecting the new testing methodologies with focus on latest automation technologies - Accountable for Quality Control of other non-functional areas such as performance, training, installation / upgrade etc.
- ✓ Liaise with vendors and suppliers in assessing applications and/or systems under consideration for purchase.
- ✓ Analyze documentation and technical specifications or consideration to determine its intended functionality, apex documents.

Operational Management:

- ✓ Conduct cross-functional internal audits to measure and assure adherence to established QA standards for, application integration, and information system performance, and corresponding documentation
- ✓ Analyze formal test results in order to discover and report any defects, bugs, errors, configuration issues, and interoperability flaws
- ✓ An effective leader with excellent communication and motivation skills.
- ✓ Played a crucial role audit compliance, in developing the skill sets of team members and inspired them for performance excellence by implementing motivational initiatives.
- ✓ Exposures to monitoring of manufacturing and utilities (instruments and equipments) Media fill, HVAC, Water systems etc

INSTRUMENTS HANDLED (URS, IQ, OQ, PQ and CALIBRATIONS)

Skilled in working of on Total organic carbon analyzer (Shimadzu TOC 5000A), Polarimeter (Jasco DIP 370), Dissolution apparatus (Electro lab TDT-08L), UV spectrophotometer (Shimadzu UV1700) FTIR (Shimadzu 8400s) Karl Fischer (Mettler Toledo DL 31), friability apparatus, Disintegration test apparatus. (Electro lab ED 2 L), Refractive index tester Atago RX 7000) Melting point apparatus (Buchi B- 240), PCR, ELISA, Incubators including calibrations. Double door autoclaves, DHS, and other Quality control instruments.

PROFESSIONAL CAREER HISTORY

Ciron Pharmaceutical Bhoisar (Tarapur) as Manager- QC and Microbiology

Responsibility: Lab setup, Facility qualifications QC Lab (Injectable formulations under Project as per US, EP norms) Reporting to director. (Nov 2016 To Feb 2017)

Bharat Serums and Vaccines Ltd , Mumbai ,Sr. Manager Quality Control

Responsibility: Sterile API and formulations- (Biotech, Hormones, blood product and Antibiotics) Handling team of 45 Microbiologist for six lines. Overall responsible Microbiology , Biotech product and finished product , Renovation of Lab. (Jan 2015 to Oct 2016)

Unimark Remedies Ltd, Ahmadabad , Manager Quality control (Microbiology)

Responsibility: API and dry powder formulations- Cephalosporin's and Carbapenems, Overall responsible Microbiology department and Renovation of Lab. (July 2014 To Dec.2014)

USV Ltd. Navi Mumbai, Asst. Manager Quality Operation

BIOTECH DIVISION, Biological Research Laboratory (Fermentation). Overall responsible new Microbiology department Lab setup and facility qualification. (Jul 2012 to Jul 2014)

Reliance Life Sciences, Navi Mumbai , Dy. Manager QC

API and Formulation (Steroids and Oncology products WHO approved). Overall responsible Quality control department for Lab setup and facility qualification. Reporting to GM QA & QC (Mar 2009 to Jul 2012)

USV Limited , Sr. Executive QC.

API/Peptides /Formulation (US FDA, TGA, WHO APPROVED). Over all responsible for Monitor laboratory analysis of formulation QC and Microbiology, Reporting to Head QA&QC. (Mar 2003 to Mar 2009)

Okasa Pharma Limited (Cipla) , Microbiologist

Formulation (WHO approved). Microbiological analysis of water, API, Finished product EM monitoring, Media Preparation. Reporting to QC Head. (Dec 2002 to Feb 2003)

USV Limited , Chemist QC

API/Peptides /Formulation (US FDA, TGA, WHO APPROVED). Over all responsible for Monitor Microbiology laboratory. Reporting to Sr. Manager (Jan 2001 to Dec. 2002)

Mistair Health and Hygiene Pvt. Ltd., Microbiologist

Cosmetic product, Mfg. of Cosmetic product on loan license for J & J ltd., Microbiological analysis of water, API, Finished product EM monitoring, Media Preparation. Reporting to Sr. Manager Quality control. (May 2000 to Dec 2000)

Magnachem Pharmaceuticals Pvt. Ltd.

Formulation (WHO approved). Microbiological analysis of water, API, Finished product EM monitoring, Media Preparation. Reporting to Sr. Manager Quality control. (Nov 1999 to May 2000)

Yours Faithfully

S. M. Lokhande



FOOD & DRUG ADMINISTRATION (M.S.)

Office of the Joint Commissioner (K. D.)
E. S. I. S. Hospital, 4th Floor, Wagle Estate, Thane - 400 604.

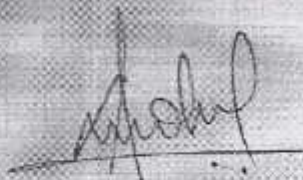
Ref. No. Qp/Cer./208-2010/3

Date :- 19/11/2012

CERTIFICATE

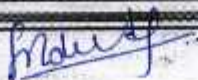
This is to certify that, MR. SANTOSH MALLIKARJUN LOKHANDE of
M/s. Reliance Life Sciences Pvt. Ltd., R-282, TTC Area of MIDC, Thane-Belapur,
Road, Rabale, Navi Mumbai 400 701. is approved as Competent
Technical Person for "CHEMICAL & INSTRUMENT ANALYSIS SECTION"
vide this office letter No. JC/(KD)/QP- 389-2010 / 374-10/3
dated 21. 12. 2010.




(S.S. MOHITE)
For Joint Commissioner
(Konkan Division),
Food and Drug Administration, M.S.,
Thane

To,

MR. SANTOSH MALLIKARJUN LOKHANDE
Flat No. 406, Building No.35, River Wood Park C.H.S.,
Desai Naka, Kalyan Shil Road, Village:Khidkali,
Sagarli, Dist-Thane-421 204.



क्रमांक ४ संताव्य ३२६ -२००६/२
सह आयुक्त (कोकण विभाग)चांचे कार्यालय
अन्न व औषध प्रशासन, म. राज्य,
रा. का. वि.यो. रुग्णालय, ४था माला, वागळे
इस्टेट, ठाणे - ४०० ६०४.
दिनांक : १५-९-२००६

प्रति,

✓ मं. युएसकी लि.,
बी-१/८, लोटे परशुराम,
एम. आय. डी. सी., ता. खेड,
जि. रत्नागिरी.

विषय : औषधे व सौंदर्य प्रसाधने कायदा १९४० व त्याखालील नियम.
सक्षम तांत्रिक व्यक्तीबाबत.

संदर्भ : १. आपली दिनांक १० .०७.२००६ रोजी या प्रशासनास सादर केलेली प्रमाणपत्रे.
२. आपल्या सक्षम तांत्रिक व्यक्तीची दिनांक ०७.०९.२००६ रोजी झालेली मुलाखत.

महोदय,

आपण सादर केलेल्या शैक्षणिक व अनुभव प्रमाणपत्रांची पडताळणी करून या कार्यालयात यांच्या पात्रतेसंबंधी मुलाखत घेतल्यानंतर खालील व्यक्तीला औषधे व सौंदर्य प्रसाधने नियम १९४५ मधील नियम ७१(१) व ७६(१), ७१(४) व ७६(४) अंतर्गत सक्षम तांत्रिक व्यक्ती म्हणून खालील नमुद केलेल्या विभागात मान्यता देण्यांत घेत आहे.

अनु. क्र.	उमेदवाराचे नांव	मान्यता दिलेला विभाग
१	श्री. एत.एम. लोखंडे	सुक्ष्म जीवशास्त्र चाचणी विभाग
२	श्री. संतोष आर. पाटील	रासायनिक व उपकरणे चाचणी विभाग
३	श्री. आनंद व. पोतदार	रासायनिक व उपकरणे चाचणी विभाग

प्रति → सहायक आयुक्त
अन्न व औषध प्रशासन
म.रा. व.रत्नागिरी जिल्हा
वाणिज्य विभाग,

(Signature)

आपला,
(Signature)
(प. म. अपशिणेकर)
सह आयुक्त (कोकण विभाग)करिता
अन्न व औषध प्रशासन, म. राज्य, ठाणे.

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Department of Chemistry,
Yashwantrao Chavan College of Science, Karad

&



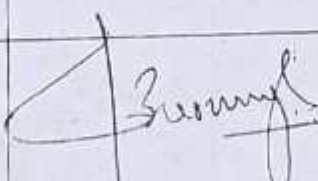
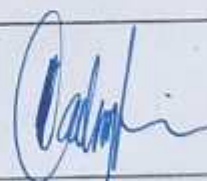


Department of Chemistry,
Balasaheb Desai College, Patan

Linkage is signed on 2nd January 2019 between Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party) and Department of Chemistry, Balasaheb Desai College, Patan (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

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- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 2nd January 2019

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Department of Chemistry, Balasaheb Desai College, Patan
Signature		
Name & Designation	Prof. Dr. S. H. Burungale Head, Department of Chemistry	Prof. Dr. V. A. Kalantre Head, Department of Chemistry
Seal		

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Green and sustainable synthesis of silica nanoparticles

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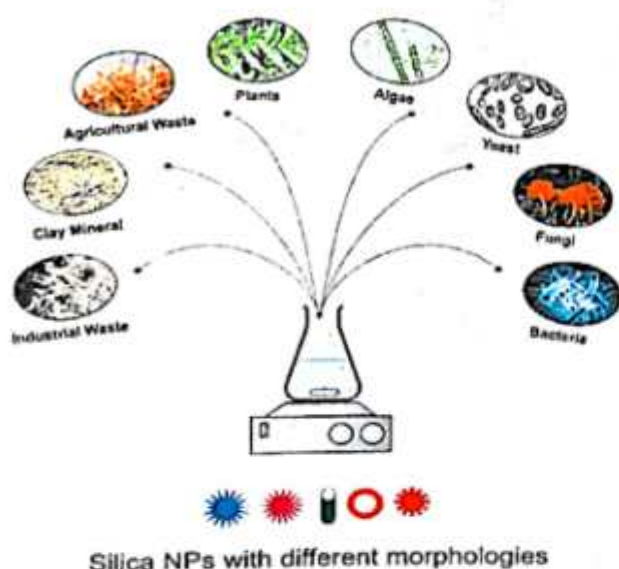
Sudip D. Karande¹ · Sushilkumar A. Jadhav² · Harshada B. Garud³ · Vilas A. Kalantre³ · Shivaji H. Burungale¹ · Pramod S. Patil^{2,4}

Received: 19 November 2020 / Accepted: 10 May 2021
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Abstract

Silica nanoparticles (SiNPs) have shown a wide range of applications in various technological fields. It is due to their unique properties such as biocompatibility, stability, tunable pore size, high surface area and surface reactivity. The ease of surface functionalization of SiNPs further extends their applications in biomedicine, targeted drug delivery and biosensing applications. Most of the works on SiNPs are focused on their synthesis by chemical methods for different applications. However, SiNPs can be prepared by green synthetic protocols that utilize plants, agriculture waste, industrial waste, fungi, bacteria, yeast, clay/mineral, worms, actinomycetes, etc. The green and sustainable methods offer distinctive encouraging features to produce nanomaterials with desired properties. The green synthesis of silica nanoparticles is an important area of research having considerable potential for further future developments. In this mini review, collective information on current green approaches for the synthesis of SiNPs is presented. The various green methods of synthesis for SiNPs are discussed with examples from the literature. The future challenges and expected advances are also pointed out which will decide the direction of research in this field.

Graphic abstract



Keywords Silica nanoparticles · Silicon dioxide · Green synthesis · Plant extracts · Microorganisms

Extended author information available on the last page of the article

Published online: 26 May 2021


Introduction

Silica nanoparticles (SiNPs) and porous SiNPs have shown wide range of applications in various technological fields ranging from nanocomposites and ceramics to diagnosis tools and drug delivery [1]. Stöber et al. synthesized silica nanoparticles in 1962 by using tetraethyl orthosilicate (TEOS) as the silica precursor, ethyl alcohol and water as solvents and ammonia as an alkaline catalyst [2]. The scheme of synthesis of SiNPs by Stöber's method using TEOS as silica source is shown, in Fig. 1. Then onwards, there are several reports in the literature about the synthesis of SiNPs. The synthesis was done by modifying the reaction conditions, varying the base or catalyst and by using different precursors [3, 4]. The nanoparticles can be synthesized by "top-down" and "bottom-up" approaches [5]. The bottom-up methods use various hazardous chemicals and expensive processes that can cause potential environmental and biological hazards [6]. The SiNPs can also be synthesized by different physical and chemical methods, such as sol-gel synthesis [7], chemical vapour condensation [8], flame synthesis [9], laser ablation [10], reverse microemulsion synthesis, etc. [11].

However, these methods have some disadvantages. For instance, sol-gel and hydrothermal synthesis methods need costly raw materials and they also need very high-temperature furnace or heating devices [12]. The chemical vapour



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Surface Modified Silicon Dioxide Based Functional Adsorbents Derived From Waste Sand for the Removal of Toxic Pollutants From Water

Original Paper | Published: 07 March 2023




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Synthesis and testing of polyacrylamide-grafted waste sand derived composite adsorbent for water purification

Harshada B. Garud, Sushikumar A. Jadhav , Sayali P. Jadhav, Vilas A. Kalantre, Pramod S. Patil, Shivaji H. Burungale 

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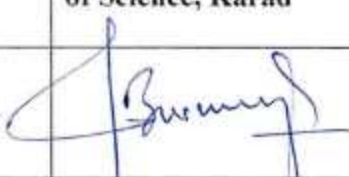

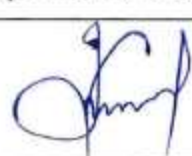

**Department of Chemistry,
Dr. Daulatrao Aher College of Engineering, Karad.**

Linkage is signed on 2nd January 2019 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party)** and **Department of Chemistry, Dr. Daulatrao Aher College of Engineering, Karad (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

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- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
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- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 2nd January 2019.

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Department of Chemistry, Dr. Daulatrao Aher College of Engineering, Karad
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Prof. V. B. Suryawanshi Head, Department of Chemistry
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Dr. A. M. Mulla Principal
Seal		



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Ref. No.

Date: 02/01/19

Umbrella Memorandum of Understanding

Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA

And

BHARATI VIDYAPEETH'S, MATOSHRI BAYABAI SHRIPATRAO KADAM KANYA

MAHAVIDYALAYA, KADEGAON, SANGLI

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B. Sc. -Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
8. Any other areas of co-operation as agreed to by the Parties from time to time.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.

II. Obligations of the Parties

To implement the MOU the parties commit themselves to provide necessary conditions:

- 2.1. Both sides will maintain ongoing communication and circulate essential information in a timely manner.
- 2.2. Both parties agree that all financial agreements necessary to implement this MOU must be negotiated and will depend upon the availability of funds. Neither institution shall have any financial obligation to the other institution based on this Agreement.
- 2.3. Realization of separate concrete research projects within the frames of the MOU will be stipulated in separate, Specific Agreements.

III. Term and Order of Action

3.1 This MOU will become effective upon the date of signature by the representatives of the institutions and, if applicable, approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MOU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MOU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.

4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyanagar Karad-415124	BHARATI VIDYAPEETH'S MATOSHRI BAYABAI SHRIPATRAO KADAM KANYA MAHAVIDYALAYA, KADEGAON, SANGLI Dist- Sangli 415304 Maharashtra, India

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st



Authority Name: **Dr. S. B. Kengar**

Seal of the Institute:



Party 2nd



Authority Name: **Prof. (Dr.) V. Y. Kadam**

Seal of the Institute: **i/c. Principal**

B.V.M.B.S.K. Kanya Mahavidyalaya
Kadegaon, Dist. Sangli



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Ref. No.

Date: 02/01/19

Umbrella Memorandum of Understanding

Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA

And

INSTA VISION LABORATORIES AND SERVICES, SATARA, DIST- SATARA

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B.Sc.- Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
8. Any other areas of co-operation as agreed to by the Parties from time to time.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.

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V. Signatures

The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyannagar Karad-415124	INSTA VISION LABORATORIES AND SERVICES , 89, Raviwar Peth, Near Venutai B Ed College, Satara, 415001. Dist- Satara, Maharashtra, India

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st

.....

Authority Name: **Dr. S. B. Kengar**

Seal of the Institute:



Party 2nd

.....

Authority Name: **Mr. Ajit Ekal**

Seal of the Institute:





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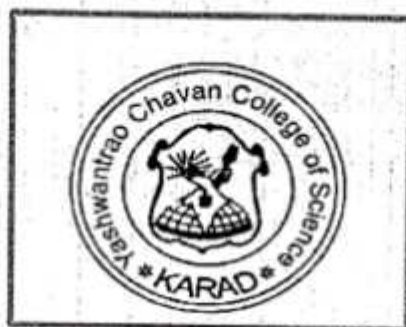
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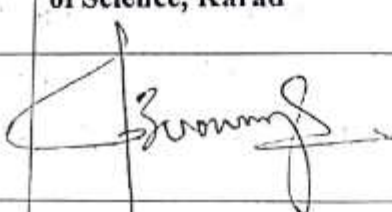
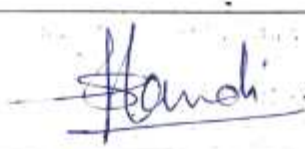
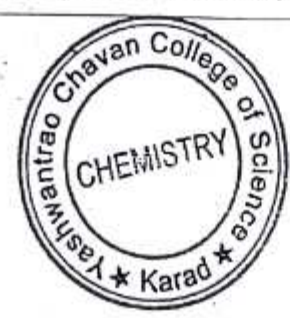

**Department of Chemistry,
Doodhsakhar Mahavidyalaya, Bidri**

Linkage is signed on 5th January 2019 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party)** and **Department of Chemistry, Doodhsakhar Mahavidyalaya, Bidri (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

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- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 5th January 2019.

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Department of Chemistry, Doodhsakhar Mahavidyalaya, Bidri
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Dr. S. N. Zende Head, Department of Chemistry
Seal		



UV light-activated photocatalytic degradation of rhodamine B dye and Suzuki cross-coupling reaction by Ni ferrite catalyst synthesized by sol-gel auto-combustion method

K R SANADI^{1,*}, K C RATHOD², M L GAUR³, R R POWAR⁴, V G PARALE⁵, R S PATIL⁶,
S H BURUNGALE⁶ and A V MALI⁶

¹Department of Chemistry, Doodhsakhar Mahavidyalaya Bidri, Kolhapur 416208, India

²Department of Chemistry, New College, Kolhapur 416012, India

³Department of Chemistry, C.B. Khedgi's Basaveshwar Science Raja Vijaysinh Commerce and Raja Jaysinh Arts College, Akkalkot 413216, India

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MS received 26 April 2021; accepted 15 June 2021

Abstract. Nanocrystalline nickel ferrite (NiFe_2O_4) was synthesized by economical sol-gel auto-combustion method. XRD pattern confirms existence of cubic spinel phase with average crystallite size of 28.37 nm. The magnetic and morphological properties of the sample were studied by using vibratory sample magnetometer (VSM) and scanning electron microscope (SEM), respectively. The prepared samples were used to study photocatalytic degradation of rhodamine B dye solution. The effect of UV light irradiation time, metal doping and kinetic parameters of photocatalysis with nickel ferrite catalyst was studied in detail. The catalyst was also utilized for a two-element coupling system of phenyl halide and phenyl boronic acid. The influence of solvent, temperature and metal loading of the catalyst was conjointly mentioned.

Keywords. Sol-gel auto-combustion; Photo catalyst; cross-coupling; magnetic properties.

1. Introduction

Recently, nanocrystalline ferrites have extensive interest due to their distinctive properties, such as electrical, magnetic and optical and wide applications in various technological fields. Nickel ferrite is of cubic spinel ferrimagnetic material that has attracted concentration of many researchers due to its large porosity at high frequency and high electrical trends. These materials have extensive applications in numerous fields like biomedical, microwave, magnetic media, ferrofluid, magneto-caloric refrigeration and gas sensors, etc. [1–8]. Semiconductor ferrites have distinctive magnetic, optical, electric and chemical properties and due to these properties, they are widely used for environmental application [9].

In inverse spinel-structured nickel ferrite (NiFe_2O_4), all divalent Ni^{2+} and half of trivalent Fe^{3+} cations occupy octahedral sites and rest of the trivalent at tetrahedral sites [10]. These semiconductor materials are chemically and thermally stable and hence, they are used in magnetic

materials, pigments, catalysts, photo catalysts, drug delivery and resonance imaging (MRI) [11–13].

Nowadays, to fulfill increasing demand of our modern society there are increasing varieties of industries. Most of these industries directly dump their effluents into river and due to this, our society is facing increasing water, air and soil pollution. Some of the effluents from dye industries contain several dangerous consumable organic dyes like rhodamine B (RB). The RB is water soluble and when it enters the body of living organisms, it causes hazardous effects on them. Hence, purification of wastewater is essential due to contamination by bionutrients, organic, inorganic and microorganisms [14–17]. Metal oxide-catalysed cross-coupling reactions have flexible applications in organic synthesis [18–20]. Phenyl halides and phenyl boronic acids undergo Suzuki cross-coupling reaction and produce most useful biphenyl and polyphenyl products [21,22]. These prepared Suzuki products have been widely used as drug intermediates, insecticides, natural products, functional materials and



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LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad
&**

**Sahyadri Sahakari Sakhar Karkhana Ltd.,
Yashwantnagar, Tal- Karad.**

Linkage is signed on 5th January 2019 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad** (First Party) and **Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Tal- Karad.** (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 5th January 2019

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Tal- Karad.
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Shri Pradip Ramchandra Yadav General Manager
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Shri Aabasaheb Jotiram Patil Managing Director
Seal		



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Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715 Index No. J 21.02.002

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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO.: RQ91/5237

RefNo. : / Biochem /2018-19

Date: - 03/01/2019

To,

**The Managing Director,
Sahyadri Sahakari Sakhar Karkhana Ltd.,
Yashwantnagar, Karad.**

Subject: - Educational visit of B.Sc. Part - II Biochemistry students.

Sir,

As a part of educational tour a group of B.Sc. Part II Biochemistry students Twenty one (21) from this college accompanied by their teachers (2) wish to visit your industry on **Saturday, 05th Jan., 2019**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,



Teacher in charge



Principal


Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

B.Sc.II –Study tour

The students of B.Sc. II (Biochemistry) are here by informed that one day's study tour is arranged to Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar, on 05/01/2019.

All should come with Identity card, note book & pen. Study tour is Compulsory as per university syllabus.

All concerned should note follows.



Course Co-ordinator,

Department of Biochemistry



Yashwantrao Chavan College of Science, Karad
Department Of Chemistry

STUDY TOUR PROGRAMME

LAB/F-17

Year 2018 -2019

CLASS: B.sc. II

TOTAL NUMBER OF STUDENTS: 21

DATE OF STUDY TOUR: 05/01/2019

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPAINING: Mr.S.H. Burugale

Miss Panwal N.R.

DATES & TIME OF DEPARTURE FROM KARAD: 05/101/2019 Time- 11 am

DATES & PLACES OF VISIT :

1. Arrival to Sahayadri Sakhar Kharkhana
2. Visit to distillary
3. Visit to ETP

DATE & TIME OF ARIVAL AT KARAD-:05/01/2019 Time-6 pm

Teacher in- Charge

Head
Dept of Chemistry

Chairmn
Tour committee

Head
Department of Chemistry
Yashwantrao Chavan College of
Science, Karad



Yashwantrao Chavan College of Science, Karad

Department Of Chemistry

STUDY TOUR REPORT

LAB/F-18

Year 2018 - 2019

CLASS: B.Sc . II

TOTAL NUMBER OF STUDENTS: 21

DATES OF STUDY TOUR: : 05/01/2019

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPANYING: Mr.S.H. Burugale

Miss N.R Panwal

DATES & TIME OF DEPARTURE FROM KARAD: 05/101/2019 Time- 11 am

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
05/01/2019 Time- 11 am	Visit to Distillary	Actual Process of fermentation
05/01/2019 Time- 2 pm	Visit to ETP	Effluent Treatment plant
05/01/2019 Time - 4pm	Visit to Yeast Propagation unit	Clarifier, Aeration test

DATE & TIME OF ARIVAL AT KARAD: 05/01/2019 Time-6 pm


Teacher in- Charge


Head
Dept of Chemistry
Head
Department of Chemistry
Yashwantrao Chavan College of
Science, Karad


Chairmn

Tour committee



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Study Tour Report 2018-2019
(05/01/2019)

- 1) Name of the department :- Biochemistry
- 2) Class & subject for which tour is arranged :- B.Sc.II Biochemistry
- 3) No. of students accompanying :- 21
- 4) Place of visit and approximate distance
- Distance Of traveling :- 10
- Place :- Yashwantnagar
- Total distance :- 20
- 5) Date of departure and arrival. :-
- a) Departure from karad (05 jan) :- 11pm
- b) Arrival at Sahyadri Sahakari Sakhar
karkhana Ltd, Yashwantnagar.(05 jan) :- 11.45pm
- c) Arrival at karad :- 6pm
- 6) Mode of Journey :- Hired vehical
- 7) Name of the Staff :- Mrs. Parwal.N.R



Department of Chemistry and Biochemistry

B.Sc. II Study tour 2018-2019

Sr. no.	Roll No	Name of student	Student sign
1	1340	Varadkar Hrishikesh Mohan	Hw.
2	1341	Bagal Ashwini Dadaso	B.A.D
3	1342	Bhivare Vedika Nandkumar	B.Vedikant
4	1343	Desai Komal Subhash	DKS
5	1344	Jagdale Dhanshri Balaso	Dhanshri
6	1345	Jagtap swapnali Appaji	Swagtap
7	1346	Jangam Mansi Mahadev	M.Jangam
8	1347	Kadale Aarti Mahadev	AKMB
9	1348	Kadam Snehal Ramesh	SRK
10	1349	Kamble Komal Jitendra	K.J.
11	1350	Kanase Kiran Bhagwan	KiranBK
12	1351	Katke Savita Dagdu	SDK
13	1352	Khair Niranjan Dhananjay	K.N.D
14	1353	Kothavale Siddhi Manik	S.M.
15	1354	Kukade Harshada Rajendra	Kukade!
16	1355	Kumbhar Komal Yuvraj	KomalYK
17	1356	Lohar Pratiksha Sampat	P.Pratiksha
18	1357	Mahale Utkarsha Uday	Mahale
19	1358	Mane Anuja Shankar	Anane
20	1359	Mane Reshma Savakar	Mane
21	1360	Mane Roma Kantilal	Roma
22	1361	Patil Sharvari Pramod	S.P.Patil
23	1362	Pawar Harsha Sunil	HSP
24	1364	Sathe Nayan Manikrao	N.Sathe
25	1365	Shedge Rohini Sambhaji	Rshedge
26	1366	Thorat Supriya Subhash	S.Souel





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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref. No.

Date: 05/01/2019

Umbrella Memorandum of Understanding Memorandum of Understanding

Between

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT-
SATARA**

And

**ASSURA PHARMA TRAINING INSTITUTE, SPHURTI CHOWK, VISHRAMBAG,
SANGLI** Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B. Sc. -Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
8. Any other areas of co-operation as agreed to by the Parties from time to time.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.

II. Obligations of the Parties

To implement the MOU the parties commit themselves to provide necessary conditions:

- 2.1. Both sides will maintain ongoing communication and circulate essential information in a timely manner.
- 2.2. Both parties agree that all financial agreements necessary to implement this MOU must be negotiated and will depend upon the availability of funds. Neither institution shall have any financial obligation to the other institution based on this Agreement.
- 2.3. Realization of separate concrete research projects within the frames of the MOU will be stipulated in separate, Specific Agreements.

III. Term and Order of Action

3.1 This MOU will become effective upon the date of signature by the representatives of the institutions and, if applicable, approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MOU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MOU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.

4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyanagar Karad-415124	ASSURA PHARMA TRAINING INSTITUTE, SPHURTI CHOWK, VISHRAMBAG, SANGLI 416415

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st



Authority Name: **Dr. S. B. Kengar**

Principal

Seal of the Institute:



Party 2nd



Authority Name: **Mr. Prashant B. Diwan**

Director

Seal of the Institute:





ASSURA PHARMA TRAINING INSTITUTE

Web : www.assura.net.in

Contact : 9922007628


Email : assura_pharma@yahoo.com / assura.pharma@gmail.com

CERTIFICATE

This is to certify that the following students of M.Sc. II (Department of Chemistry) of Yashwantrao Chavan College of Science, Karad have completed their Project under mentorship of my firm dated from 04/02/2019 to 13/02/2019 during the academic year 2018-2019 as partial fulfillment of the M.Sc. (Chemistry) course.

Sr. No.	Name of the Student
01	MR. CHAVAN MAHESH HANMANT
02	MR. KABADE KISHOR HEMANT
03	MISS. MASAL AKSHATA BALASAHEB
04	MISS. SHIRKE ASHWINI DATTATRAY

This certificate of completion is granted on 13/02/2019


Mr. Prashant B. Diwan
Director
Assura Pharma Training Institute





G. K. GUJAR MEMORIAL CHARITABLE TRUST'S
DR. ASHOK GUJAR TECHNICAL INSTITUTE'S
DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD



Accredited by NAAC with "B+" Grade
 An ISO 9001 : 2008 & ISO 10002 : 2014 Certified Institute

Approved by AICTE New Delhi, DTE, Govt. of Maharashtra & Affiliated to Shivaji University Kolhapur

Dr. Ashok G. Gujar
 M.S.
 FOUNDER PRESIDENT

Shri Indrajit A. Gujar
 B. Pharm.
 VICE PRESIDENT

Dr. Mrs. Madhuri I. Gujar
 M.B.B.S., DGO
 SECRETARY

Ref No. DACOE/CSE/MOU/A-4-19-20/167

Date: 20/08/2019

Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

&

DR. ASHOK GUJAR TECHNICAL INSTITUTE'S
DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MoU).

PROGRAM GOALS

- To strength then relationships, understanding and appreciation between students.
- To increase computer science awareness understanding knowledge about hardware.
- To provide opportunities for students and teachers to develop software skills.
- To support the teaching of (language) in computer science also teaching H/W and S/W skills.
- To build an International perspective within the colleges.
- To develop students who are perfect in H/W & S/W environment with the skills to operate effectively across IT industry with different world views and belief systems.

PROGRAM ACTIVITIES

Suggestions for activities that college may wish to consider:

- Exchanges if information about curriculum, college policy and college events.
- Exchange of teaching resources, course materials and teaching strategies.
- Exchange of student work, email, letters, photos, students newspapers, etc to promote mutual understanding
- Exchanges of leadership development information between principals.
- Involving the community through newsletters and websites and inviting parents to meet with the visiting teachers.



Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT - SATARA	DR. DAULATRAO AHER COLLEGE OF ENGINEERING, KARAD

SIGNATURES OF THE PARTIES WITH DATE - 20/08/2019

Party 1st

Principal,
Yashwantrao Chavan College
of Science, Karad



Party 2nd

Head of Computer Science & Engg. Dept.
Dr. Daulatrao Aher College of Engineering
Banawadi-Karad
Authority Signature



**Department of Computer Science****Departmental Activity****2019-20**

- Name of Activity :- Guest Lecture
- Name of the Topic :- Importance of Cyber Security
- Guest : :- Dr. Anat Awasare
Assistant Professor
Dr. Ashok Gujar Technical institute's
Dr. Daulatrao Aher College of Engineering, Karad
- Date & Time :- 03/01/2020 11:00 am

Index

Sr. No.	Documents
1.	One Page Report Activity
2.	Full Report of the Activity
3.	Correspondence
4.	Table of the program
5.	Attendance
6.	Feedback
7.	Feedback Analysis
8.	Program Photographs

Signature

Head of the Department

Head

Department of Computer Science
Yashwantrao Chavan College of Science
Karad




Principal

Principal

Yashwantrao Chavan College of Science
Karad

Yashwantrao Chavan College of Science, Karad
ACTIVITY REPORT 2019-20

Name of the Department: Computer Science	Date of activity: 03-01-2020
Name of the Activity:	Guest Lecture on- "Importance of Cyber Security"
Chief Guest/Speaker with Designation:	Hon. Prof. Anant Awsare Assistant Professor, Dr. Ashok Gujar Technical Institute's Dr. Daulatrao Aher College of Engineering, Karad
Purpose of Program:	To educate, empower, and inspire individuals and organizations to take proactive measures to protect themselves against cyber threats and contribute to a safer digital environment.
No. of beneficiaries:	61
No. of Teachers Participated:	4 Mr. N. V. Thorat Mrs. A. V. Nalawade Miss. A. G. Jirange Mrs. S. G. Padyal
Outcomes / success achieved:	To helps Participants, gain a better understanding Importance of Cyber Security its related issues.
Program Photo:	 <p>Satara, Maharashtra, India 855Q+R8X, Yashwantrao Chavan college of science Vidyanagar, Maharashtra 415124, India Lat 17.309611° Long 74.188419° 03/01/20 11:45 AM GMT +05:30</p>

S. G. Padyal
Signature
Co-Ordinator

N. V. Thorat
Signature
Head of Department

N. V. Thorat
IQAC
Co-Ordinator

[Signature]
Principal

Department of Computer Science
Yashwantrao Chavan College of Science, Karad

Internal Quality Assurance Cell (IQAC)
Yashwantrao Chavan College of Science, Karad

Yashwantrao Chavan College of Science
Karad



**YASHWANTRAO CHAVAN COLLEGE OF
SCIENCE, KARAD
DEPARTMENT OF COMPUTER SCIENCE**

**Report of the Activity
Guest Lecture on “Importance of Cyber Security”**

The inaugural function of “Importance of Cyber Security” was scheduled on 03rd Jan 2020 started at 11:00 am by the Honorable President Principal (Dr.) S. B. Kengar, Yashwantrao Chavan College of Science, Karad and staff members. The function was organized by Department of computer science.

At the beginning of function, welcome speech on behalf of Department of computer science was given by Mrs. A. V. Nalawade. The function was followed by felicitation of Presence Honorable Prof. Anant Awsare, Assistant Professor, Dr. Ashok Gujar Technical Institute’s Dr. Daulatrao Aher College of Engineering, Karad and President Principal (Dr.) S. B. Kengar, Yashwantrao Chavan College of Science, Karad

The Guest Lecture on Importance of Cyber Security began with an overview of cybersecurity, emphasizing its importance in protecting sensitive information, personal data, financial assets, and critical infrastructure from cyber threats.

Prof. Anant Awsare delved into various types of cyber threats, including malware, phishing attacks, ransomware, data breaches, and insider threats. Real-life examples were provided to illustrate the impact of these threats on individuals and organizations.

The guest lecture on the importance of cybersecurity was a resounding success, providing valuable insights and practical guidance to the participated students. It underscored the critical role of cybersecurity in safeguarding our digital world and emphasized the need for continuous vigilance and collaboration to stay ahead of evolving cyber threats.



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Ref.No.520/2019-20

Date -23/12/2019

To,

Prof. Anant Awsare

Assistant Professor,

Dr. Ashok Gujar Technical Institute's

Dr. Daulatrao Aher College of Engineering, Karad

Subject – Invitation to Guest Lecture.

Respected Sir,

On behalf of organizing committee of Department of Computer Science, Yashwantrao Chavan College of Science, Karad I am pleased to invite you as an Resource Person to deliver lecture on **"Importance of Cyber Security "**. On Friday 3rd January 2020 at 11:00 am in the Department of Computer Science, Lecture Hall No.1

Your are requested accept our invitation and oblige.

Thanking you,

o/c
Anant Awsare



Yours Sincerely,

A handwritten signature in blue ink, appearing to be "Anant Awsare".

Principal

Yashwantrao Chavan College of Science
Karad

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Ref.No.maj/2019-20

Date -03/01/2020

To,
Prof. Anant Awsare
Assistant Professor,
Dr. Ashok Gujar Technical Institute's
Dr. Daulatrao Aher College of Engineering, Karad

Subject – Letter of Appreciation....

Respected Sir,

Thank you very much for delivering an informative & through provoking lecture as Guest Speaker on **“Importance of Cyber Security”**. Held on Friday 3rd January 2020 at 11:00 am at Yashwantrao Chavan College of Science, Karad in the Department of Computer Science.

It was really splendid presentation which exposed students to the field practices. All the student appreciated & got benefitted from your views on the subject.

Looking forward for your co-operation for the promotion of professional education in future as well as.

Thanking you,

*o/c
Anant Awsare*



Yours Sincerely,

Principal

Yashwantrao Chavan College of Science
Karad



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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

Guest Lecture on

“Importance of Cyber Security”

ACADEMIC YEAR 2019-20

Day: Friday Date: 03/01/2020

Schedule

- Introduction – Mrs. A. V. Nalawade
- Presidential Address – Principal (Dr.) S. B. Kengar
Yashwantrao Chavan College of Science, Karad
- Guest Interaction – Prof. Anant Awsare
Assistant Professor,
Dr. Ashok Gujar Technical Institute's
Dr. Daulatrao Aher College of Engineering, Karad
- Vote of Thanks – Mrs. S. G. Padyal

Date : 03/01/2020

Time : 11:00 am Onwards

Venue : Lecture Hall No.01, Yashwantrao Chavan College of Science Karad




Department of Computer Science
Yashwantrao Chavan College of Science,
Karad

Yashwantrao Chavan College of Science, Karad

Department of Computer Science

Guest Lecture on

"Importance of Cyber Security"

Attendance Sheet 2019-20

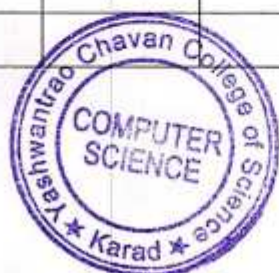
Date: 03/01/2020

Time: 11:00 AM

Sr. No.	Class	Roll No.	Student Name	Sign
1	BSC CS III 9314	9314	Gophane Sandhyarani sambhaji	
2	BSC CS III	9318	Jagdale Snehanrita Sunil	
3	BCS CS III	9308	Deshmukh indrajit dattatray	
4	BCS CS III	9322	Kulkarni Ashutosh Balasaheb	
5	BCS CS III	9326	sakunthe peethmesh ganesh	
6	BSC CS III	9335	Ravidhone aditya sumi	
7	BSC CS III	3061	Autade Vishranti sanjay	
8	BSC CS III	3071	mohite vikeam baban	
9	BSC CS III	9319	Jamadar Garban sadik	
10	BSC CS III	3070	mane Ashish Bhaskar	
11	BCS CS III	9311	Deshmukh vaishnavi umakant	
12	BSC CS III	9343	sonawale sheodha devanad	
13	BSC CS III	3069	Mahadik subas sanjay	
14	BSC CS III	9334	Rakate Preeti Prashant	
15	BSC CS III	3079	Gaikwad Ajay Anand	
16	BSC CS III	3077	yadav shivahi manik	
17	BSC CS III	9317	Jadhav suvaponaji sambhaji	
18	BSC CS III	9309	Deshmukh chaitali peakash	
19	BSC CS III	3068	Lad Aditya sandeep	
20	BSC CS III	3071	Mohite Vikram Baban	
21	BSC CS III	3078	Yadav Vishwajeet Arun	
22	BSC CS III	3075	shinde Anuradha Adhikar	
23	BSC CS III	9316	Gurav Vrushali Uttamrao	
24	BSC CS III	3066	kadam Sooraj Ananda	
25	BSC CS III	9323	khalati priyanka mahadev	
26	BCS CS III	9320	Kachare Rattal Rajendra	
27	BSC CS III	9064	Jadhav Archana Ananda	
28	BSC CS III	9076	Sunayashi Suraj Sulchdev	
29	BSC CS III	9062	Barge Ramesh Raghunath	
30	BSC CS III	9062	Kachare pratik Subas	



Sr. No.	Class	Roll No.	Student Name	Sign
31	Bsc.CS III	9304	chavan Amruta Nandkumar	<u>Amruta</u>
32	Bsc.CS III	9331	Pawar Sunil Basu	<u>Sunil</u>
33	Bsc.CS III	9301	Bagal Neha Dhanaji	<u>Neha</u>
34	Bsc.CS III	9313	Gidde Jaydeep Namdev	<u>Jaydeep</u>
35	Bsc.CS III	9330	Shewale Dipali Dadasa	<u>Dipali</u>
36	Bsc.CS III	9315	Gurav Rushikesh Ramesh	<u>Rushikesh</u>
37	Bsc.CS III	9341	SHIRKE SHUBHAM KRISHNAT	<u>Shubham</u>
38	Bsc.CS III	9327	Nikalje Madhulal Mohanrao	<u>Nikalje</u>
39	Bsc.CS III	9340	shinde bipin sanjay	<u>Bipin</u>
40	Bsc.CS III	9326	Nadaf Arbij Najir	<u>Arbij</u>
41	Bsc.CS III	9347	yadav Amit Satish	<u>Amit</u>
42	Bsc.CS III	9344	sutar Sagat Prakash	<u>Sagat</u>
43	Bsc.CS III	9345	Tadavi mayur chhabu	<u>Mayur</u>
44	Bsc.CS III	9346	WAYKASKAR SAKSHI DHANANJAY	<u>Sakshi</u>
45	Bsc.CS III	9302	Bagal yogita dattatray	<u>Yogita</u>
46	Bsc.CS III	9329	Patil Harshada Vasant	<u>Harshada</u>
47	Bsc.CS III	9330	patil poornam tanaji	<u>Poornam</u>
48	Bsc.CS III	9324	Mane amit shankar	<u>Amit</u>
49	Bsc.CS III	9337	sapkal Abhishek sunil	<u>Abhishek</u>
50	Bsc.CS III	9310	Deshmukh Supriya Lalasa	<u>Supriya</u>
51	Bsc.CS III	9342	Siddiqui Alim ABID	<u>Alim</u>
52	Bsc.CS III	9321	Kadam Amar Shankar	<u>Amar</u>
53	B.Sc.CS III optional	3061	Autade vishranti Sanjay	<u>Vishranti</u>
54	B.Sc.CS III optional	3063	Birajdar Rahul Revappa	<u>Rahul</u>
55	B.Sc.CS III optional	3072	Momin Mariya M. Asad	<u>Mariya</u>
56	B.Sc.CS III optional	3067	Kambale Shradha Ramesh	<u>Shradha</u>
57	B.Sc.CS III optional	3074	Pawar priyanka M.	<u>Priyanka</u>



Anant Awasare
Signature
(Dr. Anant Awasare)

Feedback form

Name of the Activity - Importance of Cyber Security

Name of the Speaker - Dr. Anant Aw sare

Name of the Student: Shinde Anuradha Adhikrao.

Class: BCS - III Roll No. 3075 Mobile No. 9812132023

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker	✓				
3	Speakers presentation's skill	✓				
4	Amount of new information you learned	✓				
5	Overall experience of the programme	✓				

Any other suggestions if any.....

Date:

03-01-2020

Sign

Shinde

Feedback form

Name of the Activity - Importance of Cyber SecurityName of the Speaker - Dr. Anant AwasareName of the Student: Geurav Vrushali UttamraoClass: BCS - III Roll No. 9316 Mobile No. 8613121920

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of programm	✓				
2	Rate the materials/slides presented by speaker	✓				
3	Speakers presentation's skill	✓				
4	Amount of new information you learned	✓				
5	Overall experience of the programme	✓				

Any other suggestions if any.....—

Date:

03-01-2020

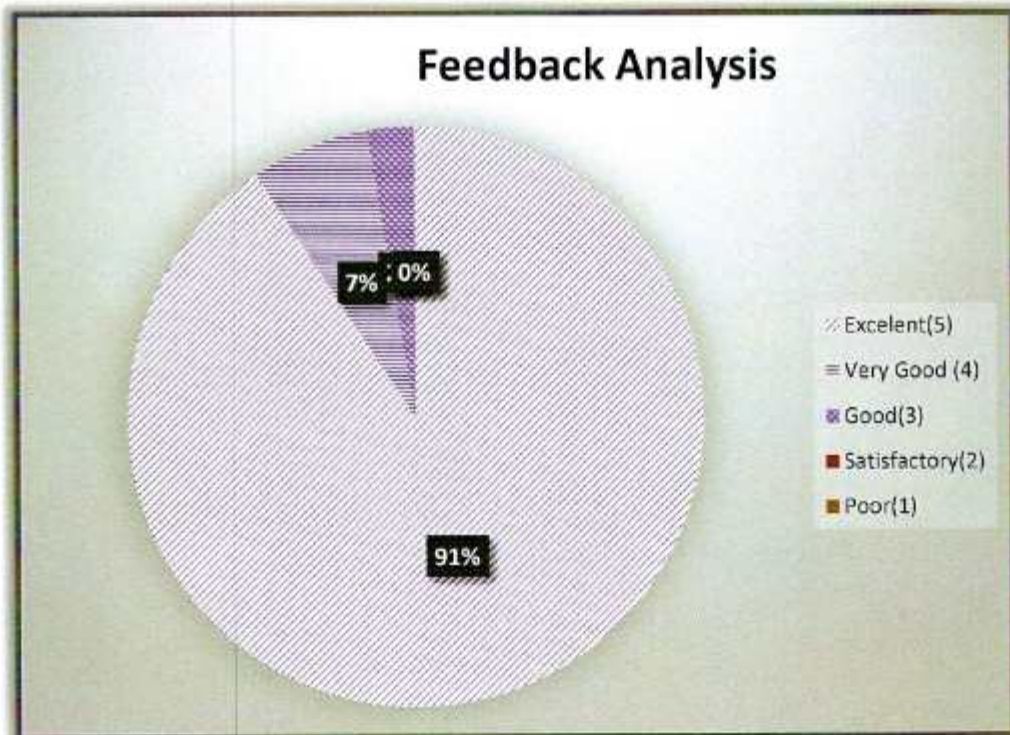
Sign.

Geurav

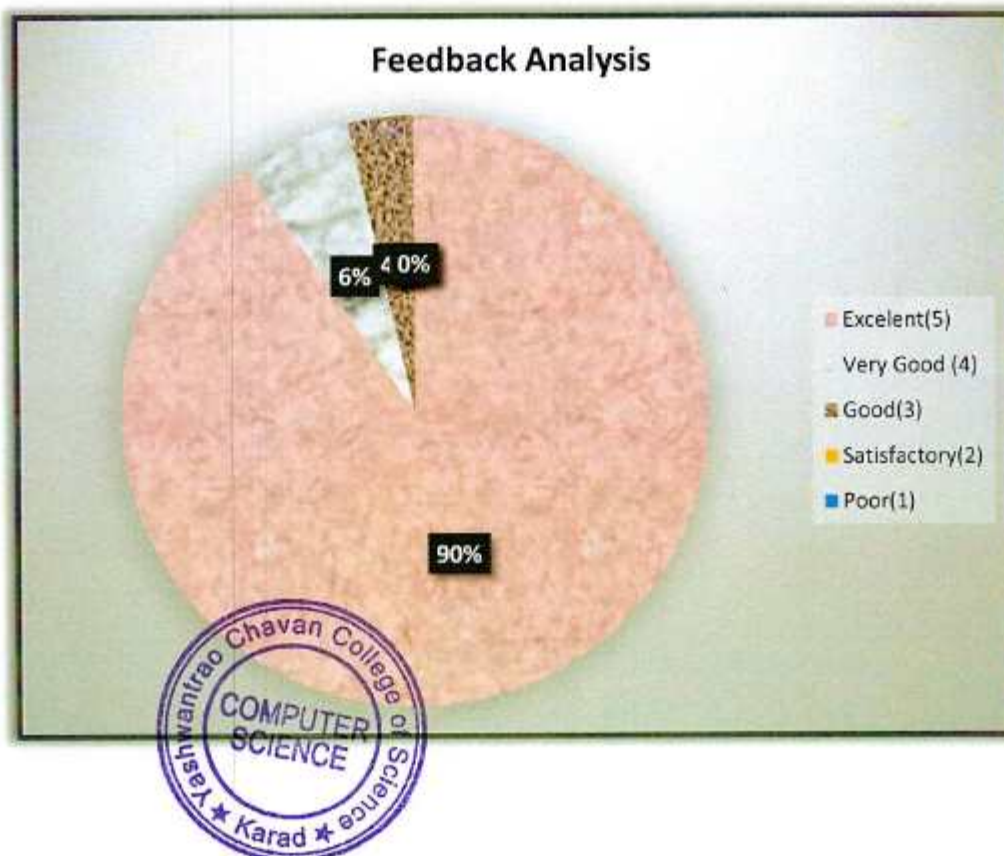
Feedback Analysis:

Guest Lecture on "Importance of Cyber Security"

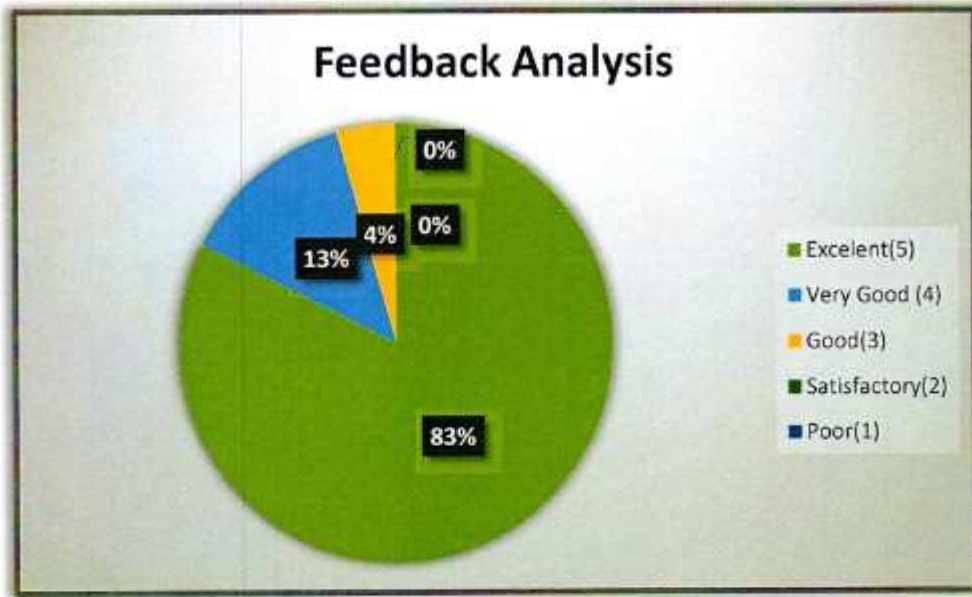
1) Usefulness of program



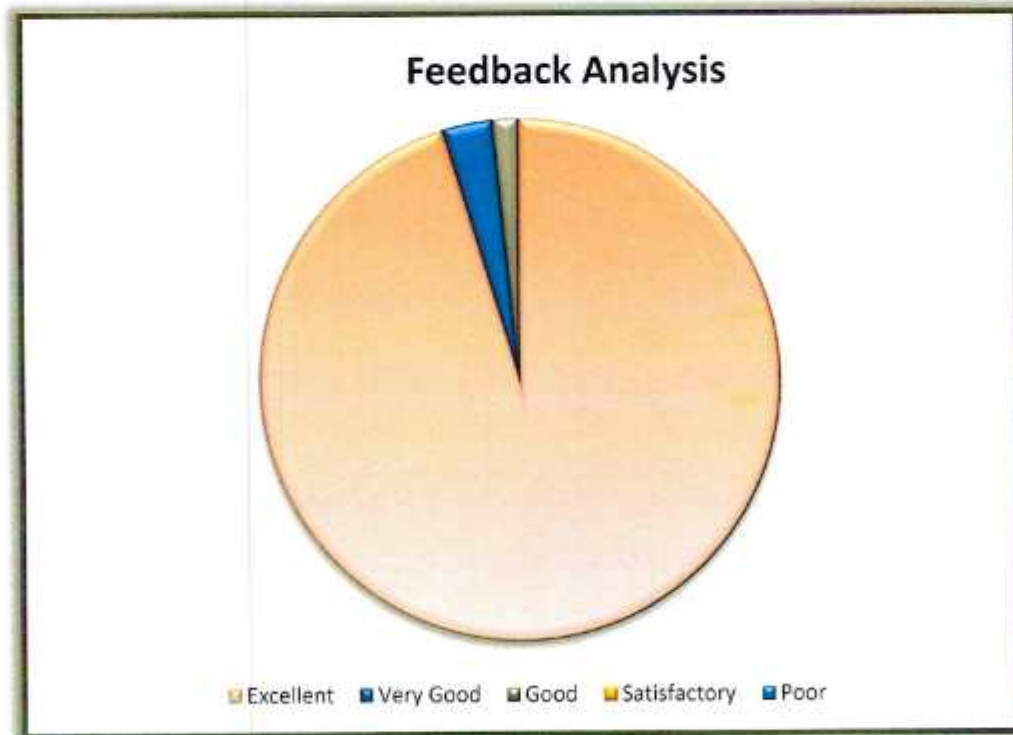
2) Rate the materials/slides presented by speaker



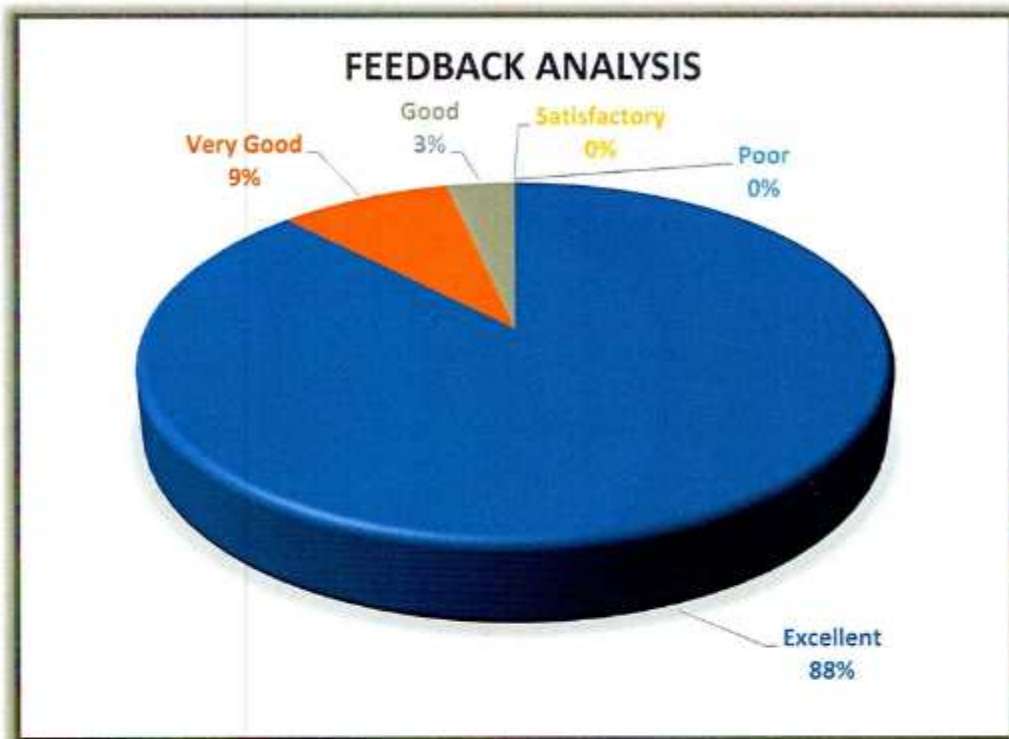
3)Speakers presentation's Skill



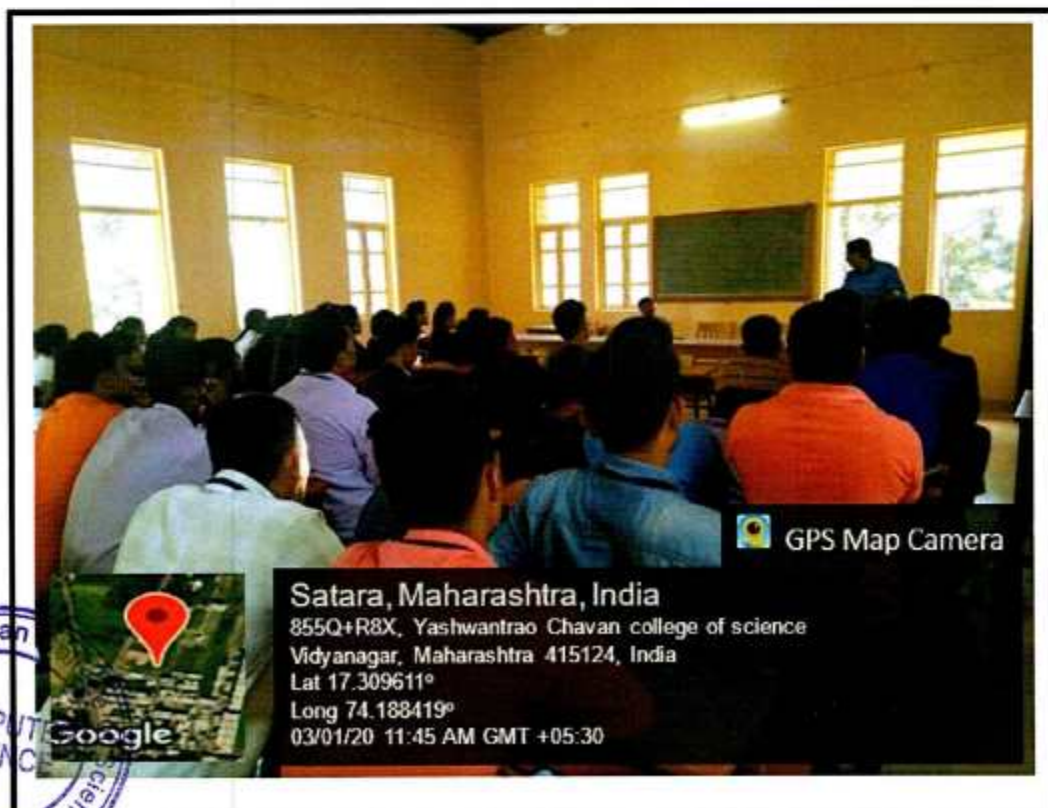
4)Amount of new information you learned



5) Overall experience of the program



Program Photographs:



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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B⁺⁺ Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO.: RQ91/5237

LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad**

&



**Department of Chemistry,
Dr. Daulatrao Aher College of Engineering, Karad.**

Linkage is signed on 2nd January 2020 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party)** and **Department of Chemistry, Dr. Daulatrao Aher College of Engineering, Karad (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 2nd January 2020.

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Department of Chemistry, Dr. Daulatrao Aher College of Engineering, Karad
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Prof. V. B. Suryawanshi Head, Department of Chemistry
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Dr. A. M. Mulla Principal
Seal		



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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref. No.

Date: 02/01/2020

Umbrella Memorandum of Understanding Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT-
SATARA

And

ASSURA PHARMA TRAINING INSTITUTE, SPHURTI CHOWK, VISHRAMBAG,
SANGLI Both the above mentioned parties wishing to develop friendly and cooperative
relations in the fields of education and research have agreed to establish the
present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B. Sc. -Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
8. Any other areas of co-operation as agreed to by the Parties from time to time.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.

II. Obligations of the Parties

To implement the MOU the parties commit themselves to provide necessary conditions:

- 2.1. Both sides will maintain ongoing communication and circulate essential information in a timely manner.
- 2.2. Both parties agree that all financial agreements necessary to implement this MOU must be negotiated and will depend upon the availability of funds. Neither institution shall have any financial obligation to the other institution based on this Agreement.
- 2.3. Realization of separate concrete research projects within the frames of the MOU will be stipulated in separate, Specific Agreements.

III. Term and Order of Action

3.1 This MOU will become effective upon the date of signature by the representatives of the institutions and, if applicable, approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MOU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MOU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.

4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyanagar Karad-415124	ASSURA PHARMA TRAINING INSTITUTE, SPHURTI CHOWK, VISHRAMBAG, SANGLI 416415

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st



.....
Authority Name: **Dr. S. B. Kengar**

Principal

Seal of the Institute:



Party 2nd



.....
Authority Name: **Mr. Prashant B. Diwan**

Director

Seal of the Institute:



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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref no. **By Hand. 201920**

Date: 10/02/2020

To,

Mr. Prashant B. Divan
Assura Pharma Training
Institute Sangli.

Subject: Guest lecture for B.Sc. III and M.Sc. Students.

Sir,

We are very much thankful for delivering lecture on Topic "**Career opportunities in pharmaceutical industry**" for B.Sc.III & M.Sc. students of our college on 10/2/2020 under placement cell activity. The lecture is very nice for our students and us.

Thanking You,

Yours Faithfully


Head
Department of Chemistry
Yashwantrao Chavan College of
Science, Karad

ASSURA PHARMA TRAINING INSTITUTE, SANGLI.

WORKSHOP CONDUCTED AT : Yashwantrao Chavan College of Science Kavad

DATE: 10/02/2020

Sr no.	Name of Students	Whatsapp No.	Email ID	Qualification
1.	Heena salim Shaikh	930970472338	Heena shaikh 351997@gmail	MSc I
2.	Kadam Priyanka Anandrayo.	9284454052	KadamPriyanka83396@gmail	B.Sc III
3.	Lohar Amruta Dinkar	7448189067	amrutalohar139@gmail.com	B.Sc III
4.	Korunde Nikita Ramchandra	7410182587	KorundeNikita2812@gmail.com	B.Sc-III
5.	Bakale Snehal Bajeesao	9112921209	snehalbakale10399@gmail.com	B.Sc III
6.	Deshmane Pooja Kalidas	8806096438	deshmanepooja713@gmail.com	B.Sc III
7.	Patil Ankita Vishwas	7262914453	ankitapatil0529@gmail.com	M.Sc-I
8.	Bichukale Monali Ashok	8698790601	monalibichukale682@gmail.com	M.Sc-I
9.	patil madhuri Ramchandra	9527452095	madhuri patil 23@gmail.com	M.Sc-I
10.	Salunkhe Pratiksha Sanjay	9075600850	Pratiksha Salunkhe 2799@gmail.com	B.Sc III
11.	shelar Ankita Suresh	7745803548	ankita shelar 2022@gmail.com	B.Sc III
12]	Sankpal Pallavi Prakesh	7088295030	Pallavisankpal53@gmail.com	B.Sc III
13]	Honeao Ruyja Rajendra	7263920799	Eutuhoneao1999@gmail.com	B.Sc III
14)	Jadhav Dhanashri Jeevan	9822428701	Dhanashri jadhav 184@gmail.com	B.Sc III
15)	Mane Prajakta Sambhaji	9263944008	Prajaktas mane 200@gmail.com	B.Sc-III
16]	Barge Prajakta Sambhaji	9850284890	Prajaktabarge 1699@gmail.com	B.Sc III
17)	Mane Roma Kantilal	7517489959	Romamane 881@gmail.com	B.Sc-III
18]	Jangam Manasi Mahadev	9119498915	manasijangam@gmail.com	BSC-III
19]	Katke Savita Dagdu	9075911714	Savita katke 98@gmail.com	B.Sc-III
20]	Shedge Rohini Sambhaji	7218952383	rohini shedge 12@gmail.com	B.Sc-III
21]	Thorat Ankita Suryakant	8806342497	ankitathorat129@gmail.com	B.Sc-III
22]	Mane Pallavi Shivaji	9503035450	Pmane 3859@gmail.com	B.Sc III
23)	Yadav Shivani Vilas	7744838913	Shivanivikisyadav@gmail.com	B.Sc III
24)	shirke Nita sunil	8379881240	nitashirke.24@gmail.com	B.Sc III
25]	Bagal Ashwini dadasa	8698203045	ashwinibagal@gmail.com	B.Sc FI
26	shinde Poeta Jayavant	7757973075	Poeta shinde 2019@gmail.com	B.Sc III
27	Pawar. Ashwadeya Ashok	8208065791	ashwadeyapawar18@gmail	BSc III
28]	Pawar Shivani Vijay	9765299074	Shivanipawar9765@gmail.com	B.Sc III
29)	Pardeshi Prajakta Haribhau	7559169927	Prajaktapardeshi16899@gmail.com	M.Sc I
30)	Veer Prajakta Dilip.	8805244151	prajakta veer 1998@gmail.com	M.Sc
31)	Khutavkar Soukhyada Pravin	8308281634	Soukhyada 16@gmail.com	M.Sc
32)	Kodag Rupali Popat	9370798643	bharaatkodag164@gmail.com	ms
33)	Lad Sonal Salish	8080663048	Sonal191998@gmail.com	M'S
34)	Patil Shivani Chandrakant	7066293911	shivanipatil3911@gmail.com	B.Sc
35]	Patil Smita Shorad	7219627147	smitapatil3499@gmail.com	B.Sc

- 36) Prachiti sanjerrao chavan 8626005275 prachitichavan137@gmail.com B.Sc I
- 37) Patil Amruta Dhankurrao 9763128582 Parilamruta@gmail.com B.Sc III
- 38) Yadav Dhanashree Vitthal ~~9604012958~~ 9604012958 Dhanuyadav@gmail.com B.Sc I
- 39) Mohite Tejashri Bhimrao 9552823653 tejmohite2022@gmail.com B.Sc II
- 40) Mane Rutuja Mohan. 7666235460 rutujamane583@gmail.com B.Sc I
- 41) Mohite Katyani Gulabrao 9168071907 katyani.mohite@12462@gmail.com B.Sc I
- 42) Sankpal Pranita Dinkar 7666909843 sankpalpranita@1082000@gmail.com B.Sc I
- 43) Chavan Sayali Hanmont 9284954614 Sayalichavan2512@gmail.com B.Sc I
- 44) Gaikwad Pradiksha Dilip 76666843475 Pradikshagaikwad9953@gmail.com B.Sc III
- 45) Ashtekar Ankita Sagar 7798659030 ankitaashtekar130199@gmail.com B.Sc I
- 46) Sakunde Prajka Dhananjay 8530265416 Prajktasakunde14511999@gmail.com B.Sc I
- 47) Shivdas Bhagyashree Raghunath 7823831264 B.Sc II
- 48) Shekh Saloni Khudbuddin 8624973675 B.Sc I
- 49) Shewale Amruta Balaso 8459817001 abshewale2022@gmail.com B.Sc III
- 50) Shedage Komal Namdev 9168459703 komalnamdevshedage@gmail.com B.Sc II



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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

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Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE. REG. NO. : RQ91/5237

Ref. No.

Date: 06 / 01 / 2020

Umbrella Memorandum of Understanding

Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA

And

BHARATI VIDYAPEETH'S, MATOSHRI BAYABAI SHRIPATRAO KADAM KANYA

MAHAVIDYALAYA, KADEGAON, SANGLI

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B. Sc. -Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
8. Any other areas of co-operation as agreed to by the Parties from time to time.

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4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures


The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyanagar Karad-415124	BHARATI VIDYAPEETH'S MATOSHRI BAYABAI SHRIPATRAO KADAM KANYA MAHAVIDYALAYA, KADEGAON, SANGLI Dist- Sangli 415304 Maharashtra, India

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st



Authority Name: **Dr. S. B. Kengar**

Seal of the Institute:



Party 2nd



Authority Name: **Prof. (Dr.) V. Y. Kadam**

Seal of the Institute: **vc. Principal**

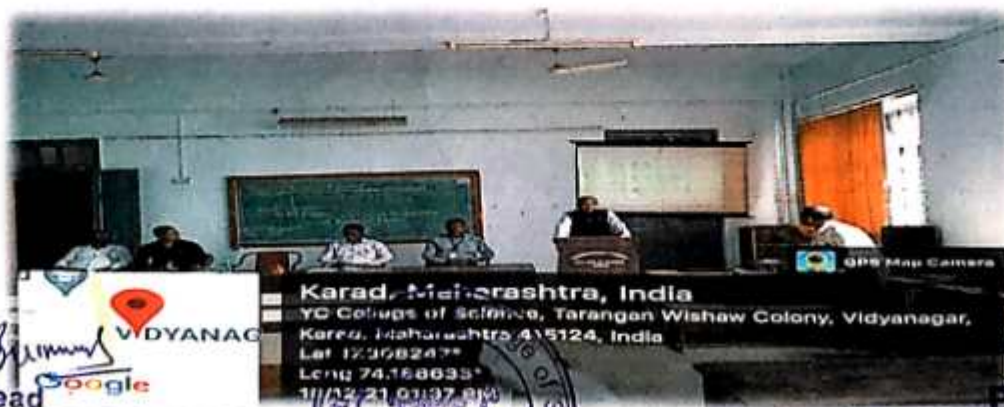
**B.V.M.B.S.K. Kanya Mahavidyalaya
Kadegaon, Dist. Sangli**



Yashwantrao Chavan College of Science, Karad

NAAC Awareness Programme - Activity Report

Name of Department: Chemistry	Date of activity: 18/12/2021
Name of the capability enhancement scheme : Skill development	
Guest: Prof. Dr. K. M. Garadkar, Department of Chemistry, Shivaji University, Kolhapur. Prof. Dr. S. V. Pore, Department of Chemistry, MBSK Kanya Mahavidyalaya, Kadegaon.	
Name of the topic: "One Day Workshop on Advanced Materials & Nanotechnology" .	
Purpose :	<ol style="list-style-type: none">1. To aware students about Nanotechnology & advanced materials.2. To aware students about importance of nanomaterials in Chemistry.3. To bring together people with common interests and discuss issues and ideas relating to importance of advanced nanomaterials in chemistry.4. To aware students about importance and benefits of advanced nanomaterials in pollution control.
No. of beneficiaries :	155
Class involved :	B. Sc. III, M.Sc. I & II
Outcome/ success achieved :	<ol style="list-style-type: none">1. Students aware for nanotechnology and advanced materials.2. Students got some ideas how advanced nanomaterials can help in sustainable development.
Teachers/ Guest involved in the activity	Prin. Dr. S. B. Kengar Prof. Dr. S. H. Burungale Prof. Dr. A. V. Mali Dr. R. S. Patil Mr. G. B. Dhake Dr. B. E. Mahadik Dr. U. P. Lad Dr. S. D. Jadhav Mr. S. D. Karande Dr. Mrs. M. B. Jagadale



Department of Chemistry
Yashwantrao Chavan College of
Science, Karad



Principal
Yashwantrao Chavan College
of Science, Karad

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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref:

Date: 16.12.2021

To,

Dr. S.V.Pore
Associate Professor,
Head, Department of chemistry
M.S.B.K Kanya Mahavidyalaya, Kadegaon

Subject: Invitation as a resource person.

Respected Sir,

With reference to above subject, we are organizing One Day Workshop on "Advanced Materials & Nanotechnology" for B.Sc. III, M.Sc. I & II students on 18th December 2021 at 11.00 am on the behalf of Department of Chemistry of Yashwantrao Chavan College of Science, Karad. In this regard, we are happy to invite you as resource person for programme and you will give the valuable guidance to our faculty and students through this programme.

I once again request you herewith to accept our invitation.

Thanking you,

Yours faithfully,




Head
Department of Chemistry
Yashwantrao Chavan College of
Science, Karad

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Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref: Chem/2021

Date: 18/12/2021

To,
Prof. Dr. S.V. Pore
Department of Chemistry
Bharati Vidyapeet MBSK Kanya Mahavidyalaya
Kadegaon

Subject: Appreciation Letter

Respected Sir,

We are very much thankful for delivering lecture on the topic **advanced materials and Nanotechnology** for B.Sc. and M.Sc. Students of our college on 18/12/2021 under lead College activity. I am sure that all the participants have taken note of your words into practice. I once again would like to thank you for such a wonderful speech and hope to get a chance to hear such speeches from you in future also.

Yours sincerely,

Received
[Signature]

Yours faithfully

[Signature]

Principal,
Yashwantrao Chavan College
of Science, Karad



LEAD COLLEGE ACTIVITY
SATGURU GADAGE MAHARAJ COLLEGE, KARAD (LEAD COLLEGE) A
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD
Jointly organizing
**ONE DAY WORKSHOP ON ADVANCED MATERIALS AND
NANOTECHNOLOGY**

Date: 19th December 2021

Academic Year-2021-22

PROGRAMME SCHEDULE

Session I

Preface Address:	Prof. Dr. S. H. Barungale Head, Department of Chemistry, Yashwantrao Chavan College of Science, Karad
Introduction to Chief Guest:	Dr. R. S. Patil Associate Professor, Department of Chemistry, Yashwantrao Chavan College of Science, Karad
Welcome and Felicitation: of Chief Guest	Prin. Dr. S. B. Kengar Yashwantrao Chavan College of Science, Karad
Presidential Address:	Prin. Dr. S. B. Kengar Yashwantrao Chavan College of Science, Karad
Keynote Speech:	Prof. Dr. K. M. Garadkar Professor in Physical Chemistry, Department of Chemistry, Shivaji University, Kohapur.
Vote of Thanks and Gratitude:	Prof. Dr. A. V. Mall Professor, Department of Chemistry, Yashwantrao Chavan College of Science, Karad
Anchoring:	Akshata Sawant Sakshi Dhurke
Venue:	Lecture Hall No. 1 Time: 11.00 am

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LEAD COLLEGE ACTIVITY

SADGURU GADAGE MAHARAJ COLLEGE, KARAD (LEAD COLLEGE)-A

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Jointly organizing

**ONE DAY WORKSHOP ON ADVANCED MATERIALS AND
NANOTECHNOLOGY**

Date: 18th December 2021

Academic Year-2021-22

PROGRAMME SCHEDULE

Session II

Preface & Presidential Address:	Prof. Dr. S. H. Burungale Head, Department of Chemistry, Yashwantrao Chavan College of Science, Karad
Introduction to Chief Guest:	Dr. B. E. Mahadik Assistant Professor, Department of Chemistry, Yashwantrao Chavan College of Science, Karad
Welcome and Felicitation of Chief Guest:	Prof. Dr. S. H. Burungale Head, Department of Chemistry, Yashwantrao Chavan College of Science, Karad
Keynote Speech:	Prof. Dr. S. V. Pore Department of Chemistry, MBSK Kanya Mahavidyalaya, Kadegaon.
Vote of Thanks and Gratitude:	Dr. U. P. Lad Assistant Professor, Department of Chemistry, Yashwantrao Chavan College of Science, Karad
Anchoring:	Akshata Sawant Sakshi Bhorke
Venue:	Lecture Hall No. 1 Time: 02.00 pm

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Presidential Address – Prin. Dr. S. B. Kengar



Session I

Chief Guest Keynote Address– Prof. Dr. K M. Garadkar

Professor in Physical Chemistry,
Department of Chemistry, Shivaji
University, Kohapur.

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LEAD COLLEGE ACTIVITY

SADGURU GADAGE MAHARAJ COLLEGE, KARAD (LEAD COLLEGE) &

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

M. Sc. I/II & B. Sc. I/II/III

Academic Year-2021-22

Name Programme: ONE DAY WORKSHOP ON "ADVANCED MATERIALS AND NANOTECHNOLOGY"

Resource person: Session I: Prof. Dr. K. M. Garadkar
Professor in Physical Chemistry,
Department of Chemistry, Shivaji University,
Kohapur.

Session II: Prof. Dr. S. V. Pore
Department of Chemistry,
MBSK Kanya Mahavidyalaya, Kadegaon.

Subject: ADVANCED MATERIALS AND NANOTECHNOLOGY

Date: 18/12/2021 Day: Saturday

Venue: Lecture Hall No. 1

Time: 01.00 to 2.00 pm

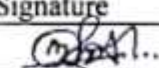
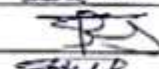

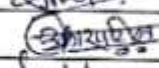
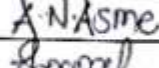
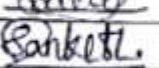

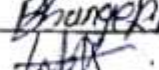
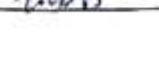


02.00 to 3.00 pm

Head of the department: Dr. S. H. Burungale

Signature: 

Principal of the institute: Dr. S. B. Kengar

Signature: _____

Sr. No.	Name of Students	Class & Division	Signature
1	Khot Ajay Dinkar	M.sc - II (chem)	
2	Tawarre Sieldherb Rajendra	M.sc II (chem)	
3	Deshmukh Rohit Shashikant	M.sc-II (chem)	
4	Phatale Pranil Tanaji	M.sc-II (chem)	
5	Patil Omkar Prakash	M.Sc.-II (Chem)	
6	Asme Aniket Nitin.	M.sc-II (chem)	
7	Howal Shubham Sanjay	M.sc-II (chem)	
8	Londhe Sanket Shivaji	M.sc.II (chem)	
9	Taribalkar Sashant Maruti	M.sc-II (chem)	
10	Bharge Rohit Ramchandra	M.sc-II (chem)	
11	Kumbhar Vinayak Hommi	M.sc II (chem)	

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Sr. No.	Name of Students	Class & Division	Signature
1)	Patil Avinash Tukaram	B.Sc III	Patil
2)	Jadhav Omkar maruti	B.Sc III	Jadhav
3)	Dalwale Chaitanya Ganesh	B.Sc III	Dalwale
4)	Abhang Omkar Sambhaji	B.Sc III	Abhang
5)	Mohite Sushant Ramesh	B.Sc III	Mohite
6)	Bobade Sahil Sunil	B.Sc III	Bobade
7)	Kale Prasad Dattatray	B.Sc III	Kale
8)	Kumbhar Rupesh Bhanudas	B.Sc III	Kumbhar
9)	Jagtap Pratik Shrinang	B.Sc III	Jagtap
10)	Nalawade Shubham Kushraj	B.Sc III	Nalawade
11)	Aga Alaujehid Kasam	B.Sc III	Aga
12)	Desai Soban Shabbir	B.Sc III	Desai
13)	Jadhav Vishvajit Nivas	B.Sc III	Jadhav
14)	Mulla Hakim Ashpak	B.Sc III	Mulla
15)	Mulani Siddik Hanif	B.Sc III	Mulani
16)	Patil Pruthviraj Prakash	B.Sc III	Patil
17)	Mohite Gaurav Dinkar	B.Sc III	Mohite
18)	Jagdale Surraj Prakash	B.Sc III	Jagdale
19)	Ingavale Pushpak Tanaji	B.Sc III	Ingavale
20)	Jagdale Dhishaj Anil	B.Sc III	Jagdale
21)	Ingavale Praywal Tanaji	B.Sc III	P.T. Ingavale
22)	Bhosale Praywal Deepak	B.Sc III	Bhosale
23)	Barge Tejas Dattatray	B.Sc III	Barge
24)	Hajare Anil Anirudh	B.Sc III	Hajare
25)	Bandal Pavan T	B.Sc III	Bandal
26)	Patil Harshad Harman	B.Sc III	H.N. Patil
27)	Jadhav Rashan Raxring	B.Sc III	Jadhav
28)	Yadav Swapnil Dhanaji	B.Sc III	Yadav
29)	Bhosale Nitishaj Vasant	B.Sc III	Bhosale
30)	Jadhav Kumar Satish	B.Sc III	Jadhav
31)	Gharge Nikhil Sunil	B.Sc III	Gharge
32)	Ingavale Prathamesh Sambhaji	B.Sc III	Ingavale
33)	Mane Sainath Arun	B.Sc III	Mane
34)			



18			
19			
20			
21			
22	Desai Pratiksha Manikrao	M.Sc I	PMD
23	Patil Pratiksha Admaram	M.Sc I	Patil
24	Patil Mahesh Sunil	M.Sc I	Patil
25	Chopdar Supriya Vijay	M.Sc - I	Chopdar
26	Patil Pooja Tanaji	M.Sc - I	Patil
27	Kadam Isha Ramesh	M.Sc. I	Radam
28	Morre Komal parshad	M.Sc. I	Morre
29	Salunkhe Rutuja Dhanaji	M.Sc. I	Salunkhe
30	Ghashi Swaliya Yusufali	M.Sc. I	Ghashi
31	Karale Akshata Ananda	M.Sc. I	Karale
32	Gurav Prachya Laxman	M.Sc I.	Gurav
33	Jadale Priyanka Shamrao	M.Sc I	Jadale
34	Patil Amruta Ramesh	M.Sc. I	Patil
35	Mahomuni Arati Vilas	M.Sc. I	Mahomuni
36	Rakate Nikita Ramesh	M.Sc - I.	Rakate
37	Jadhav Priyanka Mahadev	M.Sc. I	Jadhav
38	Thorat Sayali Sunil	M.Sc. I	Sayali
39	Jagtap Vaishnavi Prakash	M.Sc. I	Jagtap
40	Jadhav Shrutika Armut	M.Sc I	Jadhav
41	Thorawade Ankita Amar	M.Sc. I	A.A. Thorawade
42	Gungurde Kamlesh Gulub	M.Sc. I	Kumlesh
43	Shinde Shubham Shivaaji	M.Sc I	Shinde
44	Mulla Dastagir Rafik	M.Sc. I	Dastagir
45	Anuse Digvijay Dipak	M.Sc - I	Anuse
46	Kumbhar prasad pandurang	M.Sc - I	Kumbhar



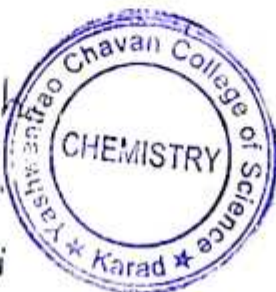
B.Sc. III Girls

Sr. No.	Name of Students	Class & Division	Signature
1)	Patil Pournima Nishant	B.Sc - III	Patil
2)	Mohite Tamuja Tukaram	B.S.C III	Mohite
3)	Tadhav Prashali Prakash	BSC - III	Tadhav
4)	Mohite Dhanshri Dattatray	BSC-III	Mohite
5)	Mali Priyanka Ananda	Bsc-III	Mali
6)	Pawar Jyoti Suresh	BSC. III	Pawar
7)	Shirbode Nikita Kalaji	BSC-III	NKSR
8)	Shinde Karishma Honnaji	BSC-III	Ktel
9)	Vanare Kavita Shripati	BSC-III	Vanare
10)	Shinde Vrushi Shankar	B.Sc. III	Shinde
11)	Patil Shweta Dinkar	B. Sc. III	Patil
12)	Chibade Vishakha Shivaji	B.Sc. III	Chibade
13)	Chavan Aishwarya Prakash	BSC. III	Chavan
14)	Yadav Manita Sanjay	B.S.C III	Yadav
15)	Shinde Avanti Dillipkumar	B.S.C III	Shinde
16)	Bagul Vijaya Bibichand	B.S.C III	Bagul
17)	Shinde Pratiksha Chandrakant	B.S.C III	Shinde
18)	Shewale Daeshani Popul	B. Sc III	Shewale
19)	Patil sanyukta shivaji	B. Sc III	Patil
20)	Patil Amruta Gandip	B. Sc III	Patil
21)	Mohite Shweta Shankar	B.Sc III	Mohite
22)	Mohite Pragati Pandurang	B.Sc. III	Mohite
23)	Hulwan Divyanshika D	B.S.C III	Divyanshika
24)	Pawar Vaishnavi Satish	BSC III	Vaishnavi
25)	Todkar Ashwini Mahadev	BSC III	Todkar
26)	Pawar Priyanka Omul	B.Sc. III	Pawar
27)	Patil Asmita Bhimrao	B.S.C III	Patil
28)	Nalawade Aarti Rajendra	B.S.C III	Nalawade
29)	Veer Anisha Bhimrao	B.S.C. III	Veer
30)	Thorat Shital Anand	B.S.C III	Thorat
31)	Thorat Pooja Dhanaji	B.S.C III	Thorat



SESSION II

Sr. NO.	Name	Sign
1	Patil Mahesh Sunil	<u>Patil</u>
2	Patil Pratiksha Atmaram	Patil <u>Pratiksha</u>
3	Rakate Nikita Ramesh	<u>Rakate</u>
4	Mahamuni Arati Nilu	<u>Ar. mahamuni</u>
5	Karale Akshata Ananda	<u>Karale</u>
6	Kadam Isha Ramesh	<u>Kadam</u>
7	Desai Pratiksha Manikrao	<u>Pratiksha</u>
8	Patil Pournima Nishant	<u>Patil</u>
9	Shinde Avanti Dilipkumar	<u>Shinde</u>
10	Bagul Vijaya Bibichand	<u>Bagul</u>
11	Shinde Karishma Hanmant	Kar.
12	Shirbade Nikita Kaloji	<u>Nks.</u>
13	Patil Amruta Sandip	<u>Patil</u>
14	Pawar Priyanka Sunil	<u>Pawar</u>
15	Patil Asmita Bhimrao	<u>Patil</u>
16	Patil Sanyukta Shivaji	<u>Patil</u>
17	Shinde Pratiksha Chemsurkant.	<u>Shinde</u>
18	Shewale Daeshami Popat	<u>Shewale</u>
19	Jadhav Priyanka Mahadev	<u>Jadhav</u>
20	Thorat Sayali Sunil	<u>Sayali</u>
21	Nalawade Arti Rajendra	<u>Nalawade</u>
22	Veer Anisha Bhimrao	<u>Veer</u>
23	Morre Korral Pratap	<u>Morre</u>
24	Gurun Pradnya Laxman	<u>Gurun</u>
25	Jagtap Vaishnavi Prakash	<u>Jagtap</u>
26	Patil Amruta Ramesh	<u>Patil</u>
27	Salunkhe Rutuja Dhanyaji	<u>Salunkhe</u>
28	Ghoshi Swaliya Yusufali	<u>Ghoshi</u>



SECTION II.

Sr. No

Name

Sign

Madbhogal

1. Madbhogal Swapnali Sanjay

2. Bhirtode Snehal Mahesh

Sms

3. Chavare Shivani Vishwanath

Shivani

4. Patane Prajakta Sanjay

Patane

5. Sawant Akshata Babasaheb

Akshata

6. Bhutke Sakshi Sheshanath.

Sakshi





Estd. 1958

|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref. No.

Date: 06/01/2020

Umbrella Memorandum of Understanding

Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA

And

INSTA VISION LABORATORIES AND SERVICES, SATARA, DIST- SATARA

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B.Sc.- Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
8. Any other areas of co-operation as agreed to by the Parties from time to time.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.

II. Obligations of the Parties

To implement the MOU the parties commit themselves to provide necessary conditions:

- 2.1. Both sides will maintain ongoing communication and circulate essential information in a timely manner.
- 2.2. Both parties agree that all financial agreements necessary to implement this MOU must be negotiated and will depend upon the availability of funds. Neither institution shall have any financial obligation to the other institution based on this Agreement.
- 2.3. Realization of separate concrete research projects within the frames of the MOU will be stipulated in separate, Specific Agreements.

III. Term and Order of Action

3.1 This MOU will become effective upon the date of signature by the representatives of the institutions and, if applicable, approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MOU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MOU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.

4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyanagar Karad-415124	INSTA VISION LABORATORIES AND SERVICES, 89, Raviwar Peth, Near Venutai B Ed College, Satara, 415001. Dist- Satara, Maharashtra, India

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st

Authority Name: **Dr. S. B. Kengar**

Seal of the Institute:



Party 2nd

Authority Name: **Mr. Ajit Ekal**

Seal of the Institute:



Estd. 1958



|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

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LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad
&**

**Sahyadri Sahakari Sakhar Karkhana Ltd.,
Yashwantnagar, Tal- Karad.**

Linkage is signed on 6th January 2020 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party)** and **Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Tal- Karad. (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 6th January 2020

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Tal- Karad.
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Shri Pradip Ramchandra Yadav General Manager
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Shri Aabasaheb Jotiram Patil Managing Director
Seal		

LINKAGE



Yashwantrao Chavan College of Science, Karad

&



ESTABLISHMENT 15 JUNE 1969

Balasaheb Desai College, Patan






Linkage is signed on 1st June 2020 between Department of Physics, Yashwantrao Chavan College of Science, Karad (First Party) and Department of Physics, Balasaheb Desai College Patan (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.

- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months' notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 1st June 2020.

Party	First Party	Second Party
Institute	Yashwantrao Chavan College of Science, Karad	Balasaheb Desai College Patan
Signature		
Name & Designation	Dr. B. P. Relekar Head, Department of Physics	Mr. M. D. Jadhav Head, Department of Physics
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Dr. S. D. Pawar Principal
Seal		



GOVERNMENT COLLEGE OF ENGINEERING, KARAD

(An Autonomous Institute of Govt. of Maharashtra)

VIDYANAGAR, KARAD, 415124 DIST SATARA

Phone - (02164) 272414, 8275706613.

Website : www.geekarad.ac.in

Email : principalgcekarad@gmail.com, principal@geekarad.ac.in

Ref.No- Govt / MCA / MOU / 557

Date- 20/08/2020

Memorandum of Understanding Between YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD & GOVERNMENT COLLEGE OF ENGINEERING, KARAD

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MoU).

PROGRAM GOALS

- To strength then relationships, understanding and appreciation between students.
- To increase computer science awareness understanding knowledge about hardware.
- To provide opportunities for students and teachers to develop software skills.
- To support the teaching of (language) in computer science also teaching H/W and S/W skills.
- To build an International perspective within the colleges.
- To develop students who are perfect in H/W & S/W environment with the skills to operate effectively across IT industry with different world views and belief systems.

PROGRAM ACTIVITIES

Suggestions for activities that college may wish to consider:

- Exchanges if information about curriculum, college policy and college events.
- Exchange of teaching resources, course materials and teaching strategies.
- Exchange of student work, email, letters, photos, students newspapers, etc to promote mutual understanding
- Exchanges of leadership development information between principals.
- Involving the community through newsletters and websites and inviting parents to meet with the visiting teachers.





GOVERNMENT COLLEGE OF ENGINEERING, KARAD

(An Autonomous institute of Govt. of Maharashtra)

VIDYANAGAR, KARAD, 415124 DIST SATARA

Phone – (02164) 272414, 8275706613.

Website : www.geekarad.ac.in

Email : principalgeekarad@gmail.com, principal@geekarad.ac.in

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT – SATARA	GOVERNMENT COLLEGE OF ENGINEERING, KARAD

SIGNATURES OF THE PARTIES WITH DATE – 20/08/2020

Party 1st

Party 2nd


Authority Signature
Principal,

**Yashwantrao Chavan College of Science
Karad**


Authority Signature
Head of MCA
Govt. College of Engg., Karad

Seal of the Institute

Seal of the Institute



**Hon. Yashwantrao Chavansaheb**
Founder

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

02164 - 271356, 271357 e-mail : prinyccsk@gmail.com website : www.yccskarad.com

UDISE Code - 27310207715 Index No. - J 21.02.002

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

**Hon. P. D. Patilsaheb**
President up to 17th September 2008**Dr. Suryakant Bapu Kengar**
Principal**Hon. Shamrao Alias Balasaheb Pandurang Patil**
President,
Shri Shivaji Education Society's, Board for Higher Education, Karad**Hon. Altafhusen Nasiruddin Mulla**
General Secretary,
Shri Shivaji Education Society's, Board for Higher Education, Karad**Department of Computer Science**
Departmental Activity
2020-21

Name of Activity :- Webinar
 Name of the Topic :- Exploring Data Science using Python
 Guest : :- Dr. Laxman Kumarwad
 Date & Time :- 03/09/2020 11:00 am

Index

Sr. No.	Documents
1.	One Page Report Activity
2.	Full Report of the Activity
3.	Correspondence
4.	Table of the program
5.	Attendance
6.	Feedback
7.	Feedback Analysis
8.	Program Photographs

Signature

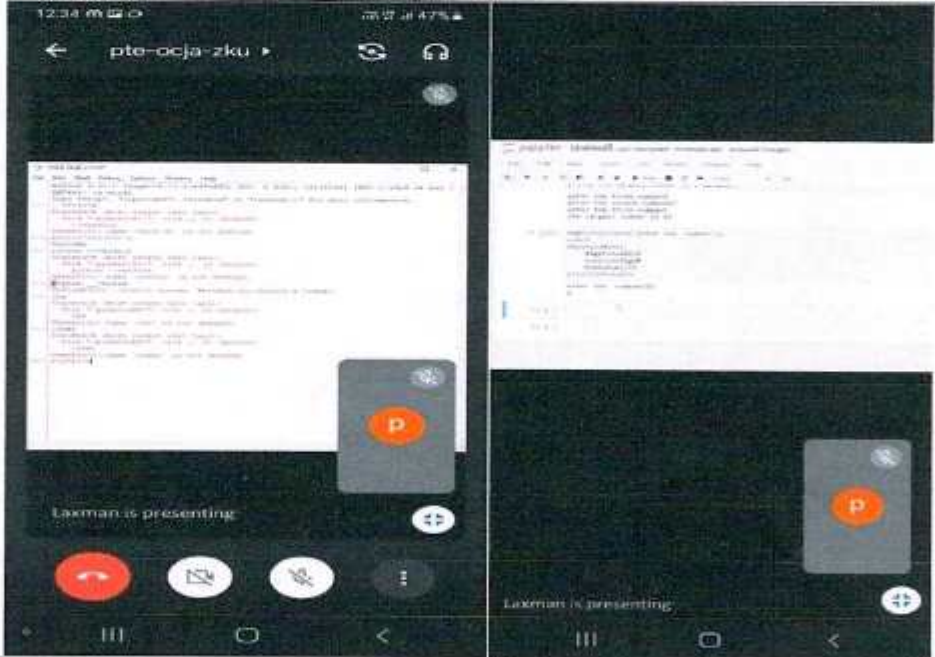
Head of the Department

Head**Department of Computer Science**
Yashwantrao Chavan College of Science
Karad

Principal


PrincipalYashwantrao Chavan College of Science
Karad

Yashwantrao Chavan College of Science, Karad
ACTIVITY REPORT 2020-21

Name of the Department: Computer Science	Date of activity: 03-09-2020
Name of the Activity:	Webinar on- "Exploring Data Science using Python"
Chief Guest/Speaker with Designation:	Hon. Dr. Laxman Kumarwad Assistant Professor, Government College of Engineering, Karad
Purpose of Program:	1.To equip participants with the foundational knowledge and practical skills required to start exploring data science using Python. 2.It aims to inspire and empower individuals to leverage data to gain insights, make informed decisions, and solve real-world problems.
No. of beneficiaries:	57
No.of Teachers Participated:	4 Mr. N. V. Thorat Mrs. A. V. Nalawade Miss. A. G. Jirange Mrs. S. G. Padyal
Outcomes / success achieved:	To empower participants with the knowledge, skills, and resources to further their understanding and practice in the field of data science
Program Photo:	


Signature
Co-Ordinator


Signature
Head of Department
Department of Computer Science
Yashwantrao Chavan College of Science,
Karad


IQAC
Co-Ordinator
Internal Quality Assurance Cell (IQAC),
Yashwantrao Chavan College
of Science, Karad


Principal
Yashwantrao Chavan College of Science,
Karad



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

Report of the Activity

Webinar on “Exploring Data Science using Python”

The inaugural function of “Webinar on Exploring Data Science using Python” was scheduled on 3rd September 2020 started at 11:00 am by the Hon. President Principal Dr. S. B. Kengar, Yashwantrao Chavan College of Science, Karad. The function was organized by Department of computer science.

At the beginning of function, welcome speech on behalf of Department of computer science was given by Mrs. A. V. Nalawade. The function was followed by felicitation of Invited speaker Dr. Laxman Kumarwad, Assistant Professor, Government college of Engineering, Karad and President Principal (Dr.) S. B. Kengar, Yashwantrao Chavan College of Science, Karad.

The webinar commenced with an overview of data science fundamentals, emphasizing its role in extracting meaningful patterns and insights from complex datasets. The speakers delved into the Python programming language, highlighting its suitability for data manipulation, analysis, and visualization.

Participants were introduced to essential Python libraries for data science, including NumPy, Pandas, and Matplotlib, showcasing their functionalities through practical demonstrations. NumPy's array-based computing capabilities were explored, followed by Pandas' data manipulation functionalities, enabling participants to gain proficiency in data preprocessing tasks.

The webinar also covered exploratory data analysis techniques, emphasizing the importance of visualizing data to uncover trends and anomalies effectively. Through interactive examples, participants learned how to create insightful visualizations using Matplotlib and Seaborn, thereby enhancing their data storytelling abilities.

Throughout the webinar, attendees gained a solid understanding of the data science workflow using Python and were equipped with the knowledge to embark on their data science journey confidently.

In conclusion, the webinar served as a valuable resource for both beginners and seasoned professionals looking to expand their proficiency in data science using Python, fostering a community of learners passionate about leveraging data for impactful insights and solutions.



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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

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Ref.No.majl/2020-21

Date -28/08/2020

To,

Dr. Laxman Kumarwad
Assistant Professor,
Government College of Engineering, Karad

Subject – Invitation as “Speaker” for Webinar on Exploring Data Science using Python.

Respected Sir,

It's an immense pleasure to inviting you as “Speaker” for Webinar-
“**Exploring Data Science using Python**” Organized by Department of
Computer Science of Yashwantrao Chavan College of Science, Karad, Thursday
on 3rd September 2020 at Time: 11.30am Onward.

We inviting you as Chief Guest for webinar. Please accept our invitation.

Thanking you,

Yours Sincerely,

Principal
Yashwantrao Chavan College of Science
Karad





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Ref.No.**mail**/2020-21

Date -03/09/2020

To,

Dr. Laxman Kumarwad
Assistant Professor,
Government College of Engineering, Karad

Subject - Letter of Appreciation....

Respected Sir,

We are very much thankful to you for accepting our invitation and sparing your time and sharing your intellectual thoughts with the delegates in the Webinar On- "Exploring Data Science using Python".

We mention sincere thanks for being with us as Invited Speaker.

Thanking You

Yours Sincerely,



Principal
Yashwantrao Chavan College of Science
Karad

Estd. 1958

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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

Webinar on

“Exploring Data Science using Python”

ACADEMIC YEAR 2020-2021

Day: Thursday Date: 03/09/2020

Schedule

- **Introduction – Mrs. A. V. Nalawade**
- **Presidential Address – Principal (Dr.) S. B. Kengar**
Yashwantrao Chavan College of Science, Karad
- **Guest Interaction – Dr. Laxman Kumarwad**
Assistant Professor,
Government College of Engineering, Karad
- **Vote of Thanks – Mrs. S. G. Padyal**

Date : 03/09/2020

Time : 11:00 am Onwards

Venue : Online



Department of Computer Science
Yashwantrao Chavan College of Science,
Karad

Online Attendance:





Feedback

Yashwantrao Chavan College Of Science Karad

Department of Computer Science

Webinar on Exploring Data Science using Python

Feedback 2020-2021

Name of Speaker-Dr. Laxman Kumarwad

Date-3/9/2020

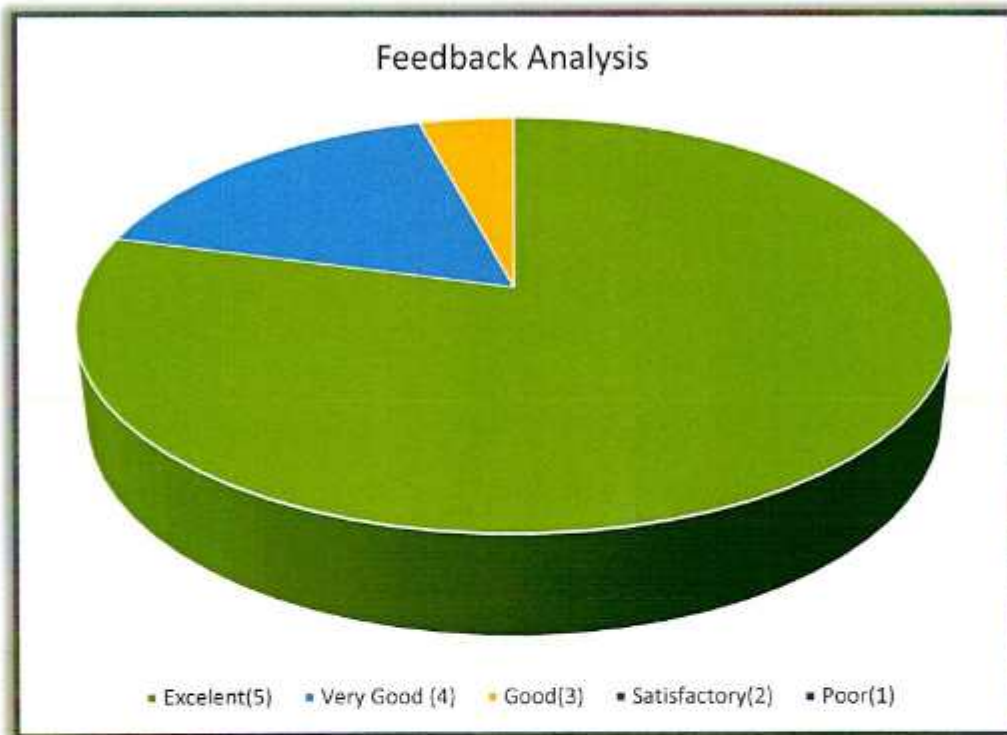
Timestamp	Name	Class	Roll No	Usefulness Of Program	Speaker Presentation's Skill	Amount of new Information you learned.	Overall experience of the program	Any other suggestions if any
4-9-2020 1:37:59	DESHMUKH SARIKA HANMANT	B.Sc.CS (Entire)-III	9312	Excellent	Excellent	Excellent	Excellent	no
4-9-2020 1:40:08	KULKARNI SNEHAL AMOL	B.Sc. CS (Optional) III	3105	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 1:44:26	BHOSALE PRANALI SANDIP	B.Sc.CS (Optional)-II	2040	Excellent	Excellent	Excellent	Excellent	No
4-9-2020 1:45:23	GADHAVE SHREYA ANKUSH	B.Sc.CS (Optional)-II	2047	Excellent	Excellent	Excellent	Good	-
4-9-2020 1:46:21	YADAV ANKITA SURESH	B.Sc.CS (Optional)-III	3118	Excellent	Excellent	Good	Excellent	no
4-9-2020 1:46:58	THORAT NIRANJAN JALINDAR	B.Sc.CS (Optional)-III	3115	Excellent	Good	Good	Excellent	no
4-9-2020 1:47:38	YADAV SHWETA SHIVAJI	B.Sc.CS (Entire)-III	9387	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 1:48:22	TUPE PRATIKSHA MANSING	B.Sc.CS (Entire)-III	9385	Excellent	Excellent	Excellent	Excellent	no
4-9-2020 1:49:05	TAVATE SUSHANT UTTAM	B.Sc.CS (Entire)-III	9378	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 1:49:46	SURVE MADHUSUDAN TANAJI	B.Sc.CS (Entire)-III	9376	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 1:51:13	RENUSHE SNEHAL SANJAY	B.Sc.CS (Entire)-II	9270	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 1:51:49	PATIL SANDESH PRADIP	B.Sc.CS (Entire)-II	9261	Excellent	Good	Excellent	Excellent	-
4-9-2020 1:52:29	KENJALE CHINMAYI SANJAY	B.Sc.CS (Entire)-II	9242	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 1:53:06	GHORPADE AKANKSHA RAGHUNATH	B.Sc.CS (Entire)-II	9223	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 1:54:10	DABADE SHUBHAM SHASHIKANT	B.Sc.CS (Entire)-III	9310	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 1:55:26	DHANAVE PRAJAKTA JITENDRA	B.Sc.CS (Entire)-III	9313	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 1:56:03	CHOUKULE SUMIT SURESH	B.Sc.CS (Entire)-III	9309	Excellent	Excellent	Excellent	Good	-
4-9-2020 1:56:33	GAIKWAD AKSHATA BHIKAJI	B.Sc.CS (Entire)-III	9316	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 1:57:29	AVATE PRITI NAMDEV	B.Sc.CS (Entire)-III	9302	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:00:01	DISALE NAMRATA NISHIKANT	B.Sc.CS (Entire)-III	9314	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:00:33	PATIL SUPRIYA SAMADHAN	B.Sc.CS (Entire)-III	9364	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:01:36	POTEKAR DAMNI RAGHUNATH	B.Sc.CS (Entire)-III	9367	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:02:20	SHELAKI KIRAN UTTAM	B.Sc.CS (Entire)-III	9372	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:02:56	PAWAR PAVAN BHASKAR	B.Sc.CS (Entire)-III	9366	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:03:38	MOHITE RUSHIKESH SURESH	B.Sc.CS (Entire)-III	9350	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:04:22	KULKARNI ROHIT RAJENDRA	B.Sc.CS (Entire)-III	9344	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:05:02	KATE ANIL RAMESH	B.Sc.CS (Entire)-III	9337	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:05:55	YADAV ANKITA SURESH	B.Sc.CS (Optional)-III	3118	Excellent	Excellent	Excellent	Excellent	no
4-9-2020 2:12:10	PAWAR SHWETA BHASKAR	B.Sc.CS (Optional)-III	3111	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:12:56	MANDRULKAR ATISH MADHUKAR	B.Sc.CS (Optional)-III	3109	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:13:46	BASABIRE SAGAR TUKARAM	B.Sc.CS (Optional)-III	3119	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:18:50	SATPUTE ROHAN RAJENDRA	B.Sc.CS (Entire)-III	9370	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:19:27	YADAV PRITI RAJARAM	B.Sc.CS (Optional)-II	2070	Good	Excellent	Good	Excellent	-
4-9-2020 2:20:02	SHANIYA MANOJ	B.Sc.CS (Optional)-III	3112	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:20:59	KOLEKAR RUTUJA SHIVAJIRAO	B.Sc.CS (Entire)-III	9340	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:22:29	JAGTAP VAISHNAVI RAKESH	B.Sc.CS (Entire)-III	9329	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:24:16	CHORGE SHUBHAM SUNIL	B.Sc.CS (Entire)-III	9308	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:24:54	INAMDAR MARIYA ISRAR	B.Sc.CS (Entire)-III	9320	Excellent	Good	Excellent	Excellent	-
4-9-2020 2:26:47	DABADE SHUBHAM SHASHIKANT	B.Sc.CS (Entire)-III	9310	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:27:25	JADHAV SUMIT RAVINDRA	B.Sc.CS (Entire)-III	9328	Good	Excellent	Excellent	Excellent	-
4-9-2020 2:27:55	KOLI VINAYAK NILKANTH	B.Sc.CS (Entire)-III	9342	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:29:08	LONDE PRASHANT SHRIMANT	B.Sc.CS (Optional)-III	3108	Excellent	Excellent	Excellent	Excellent	-
4-9-2020 2:29:54	EKAVADE PRAFULLA RATNAKANT	B.Sc.CS (Optional)-III	3103	Excellent	Excellent	Excellent	Excellent	-



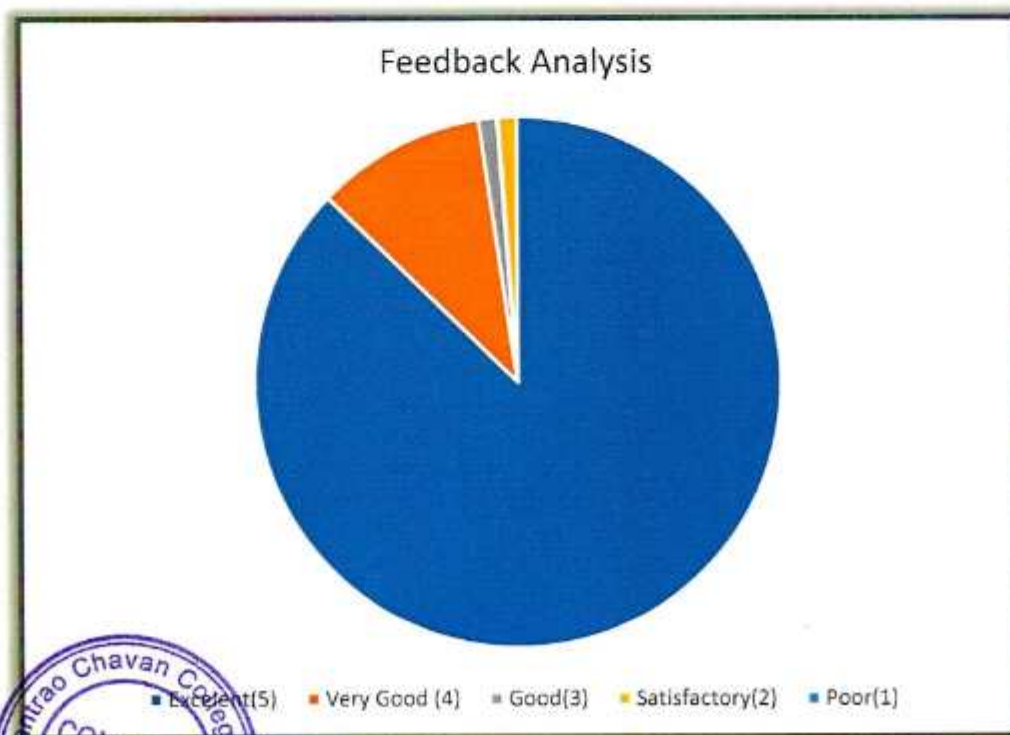
Feedback Analysis:

Webinar on " Exploring Data Science using Python"

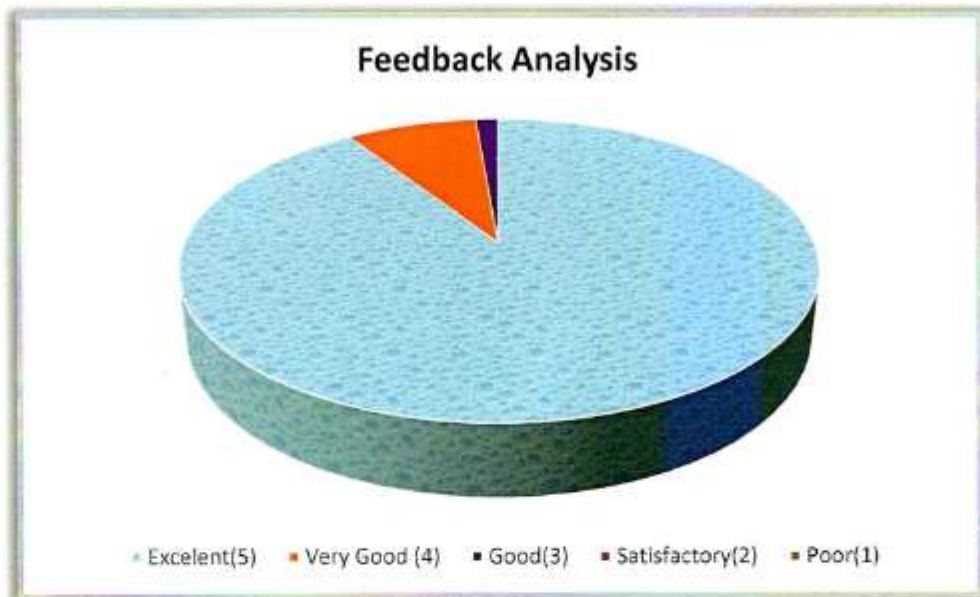
1)Usefulness of program



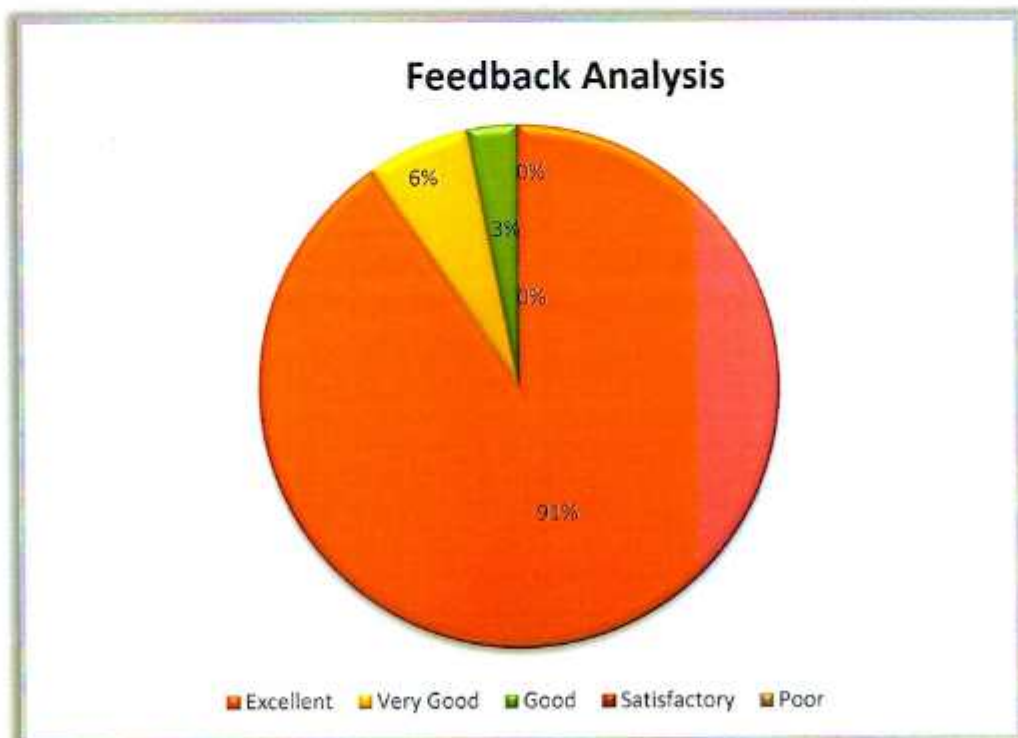
2)Rate the materials/slides presented by speaker



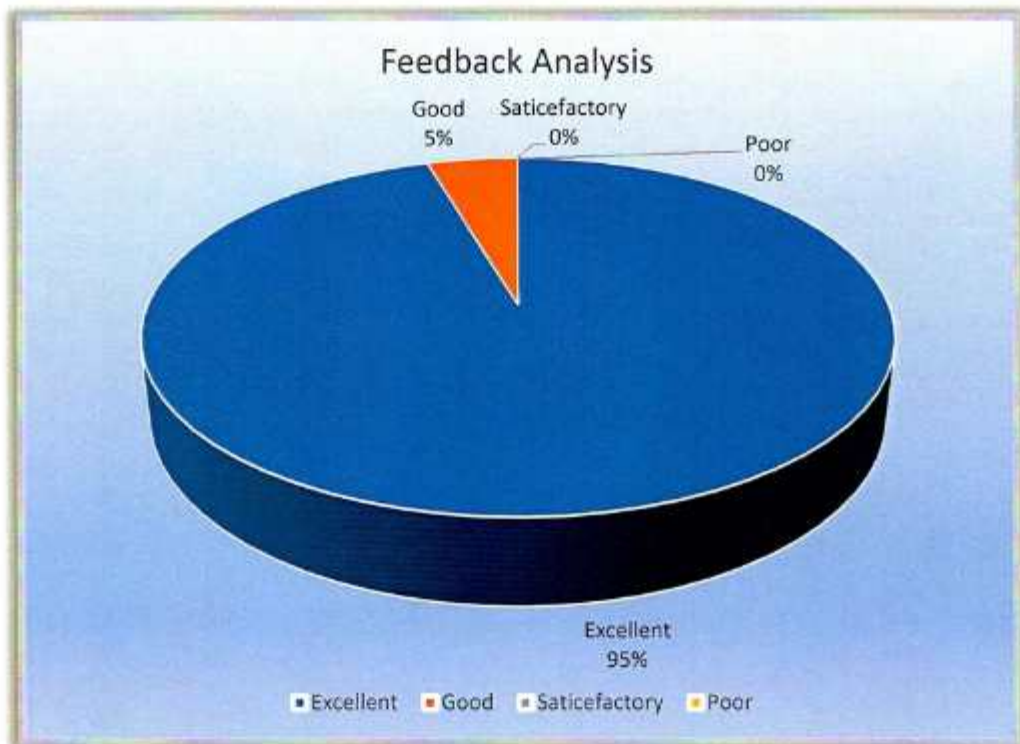
3)Speakers presentation's Skill



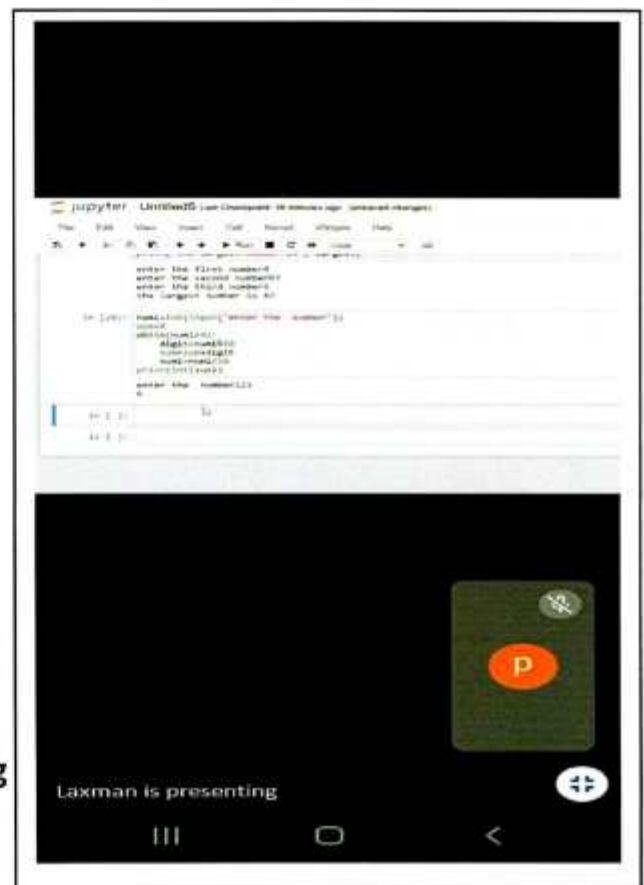
4)Amount of new information you learned



5) Overall experience of the program



Program Photographs:



LINKAGE

Shri Shivaji Education Society's
Board of Higher Education, Vidyanagar, Karad
Department of Electronics
Yashwantrao Chavan College of Science , Karad
Maharashtra, India-415 124



and



Patil Technologies.
Khanapur Road, Vita, Dist : Sangali
Maharashtra, India – 415 311

LETTER OF DECLARATION OF LINKAGE

The linkage is signed on 05 June, 2021 between Department of Electronics, Yashwantrao Chavan College of Science, Karad and Patil Technologies, Vita.

In this letter, Yashwantrao Chavan College of Science, Karad (YCCSK) and Patil technologies, Vita (PTV), jointly declared their functional linkage and expressed their desire to collaborate in students training, placement and extension each of them recognizing the other's respective strengths. Since, both want to improve and expand the functional relationship between them, we the undersigned now mutually consent to share the resources and facilities that are already available at our respective institutions. Additionally, the goal of this linkages is to increase collaboration and idea in fields of shared interest like electronics system design, embedded system, etc.

OBJECTIVES OF THE LINKAGE

Yashwantrao Chavan College of Science, Karad and Patil Technologies, Vita will collaborate on the following objectives with this linkage.

1. Finding the specialists for the good of all parties involved.
2. Through involvement in initiatives such as curriculum creation, laboratory development, innovative project development, curriculum feedback, etc., Patil Technology, Vita will contribute to raising the academic standards of Yashwantrao Chavan College of Science, Karad.
3. Sharing of the infrastructure that is available to each party based on need and availability.
4. Allowing to each other to visit each other's campuses as they get permission and follow the organization's guidelines.
5. Yashwantrao Chavan College of Science, Karad shall provide consulting in the areas of specialization of its faculty members, subject to circumstances that have been mutually agreed upon.
6. Patil Technologies, Vita would fund projects or mini-projects for college students, contingent on availability; Yashwantrao Chavan College of Science, Karad will carry out projects by providing knowledgeable teachers as mentors.
7. Patil Technologies, Vita would provide the timers of the automatic college bell and automatic national anthem system. Also helps YCCSK for maintain them.
8. Placement drives will be held by Yashwantrao Chavan College of Science, Karad, in order to meet Patil Technologies, Vita demand for technical personnel.
9. Students from Yashwantrao Chavan College of Science, Karad, would have the opportunity to participate in placement drives whenever they are arranged by Patil Technologies, Vita.

10. Both the parties can undertake collaborative projects/patents and the publications arising out of collaborative work shall be jointly published.
11. Yashwantrao Chavan College of Science, Karad will provide Patil Technologies, Vita with access to library resources.
12. Everybody will help with the planning of different conferences, exhibitions, and other yearly events, among other things.
13. Permit both parties' stakeholders to take part in the extracurricular, co-curricular, and academic activities that each party conducts.
14. No amendment and modifications of this linkages shall be valid unless the same is made in the writing by authorized representative of the both parties and specifically stating the same to an amendment of this agreement.
15. This linkage valid period is five years starting from the date of signing and may be terminated by either side by giving a three months' notice.

Date : 05 June, 2021

Place : Karad

Yashwantrao Chavan College of
Science, Karad

Authorized Signatory

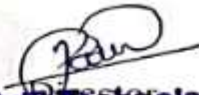


Principal

Yashwantrao Chavan College of Science, Karad

Patil Technologies, Vita

Authorized Signatory



For Patil Technologies



Witness


HEAD
Department of Electronics
Yashwantrao Chavan College of Science,
Karad



1. A. A. Mulla 

2. S. S. Jadhav 



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Ref. *ELE*
HD /2021-22

Date : 19.05.2022

To,

The Director,
Patil Technologies,
Vita.

Subject : Linkage Activity : Student Training

Sir,

As per the linkage signed by the Department of Electronics, Yashwantrao Chavan College of Science, Karad and Patil Technologies, Vita, and telephonic discussion with Shri. Mulla A. A. , Four students in the B.Sc. III (Electronics) class want hands-on training on LED Boards. Please allow them and do the needful.

Thanking You.

HC

Received,

20/05/2022

For Patil Technologies

Yours faithfully,

Principal

Yashwantrao Chavan College of Science, Karad

Encl.

Student List

Yashwantrao Chavan College of Science, Karad

Department of Electronics

Students List

Hands-on training on LED Boards

Company Name : Patil Technologies, Vita

Sr. No.	Students Name	Class
1.	Miss Pawar Vaishnavi Arjun	B.Sc. III
2.	Miss. Panskar Shrutika Sanjay	B.Sc. III
3.	Shri. Hirwale Rohan Mahendra	B.Sc. III
4.	Shri. Kaski Kalyan Basavraj	B.Sc. III


HOD HEAD
Department of Electronics
Yashwantrao Chavan College of Science,
Karad


Principal
Yashwantrao Chavan College of Science, Karad



Patil Technologies

Manufacturers of electronic equipments and LED Boards

+91 9175818537, +91 9890802 932

nmpaindia8051@gmail.com

Khanapur Road, Patil Vasti,
Vita 415311 Maharashtra

www.patiltechnologies.business.site

Ref. No. : *By hand.*

Date : *20/05/2022*

To,

The Principal,

Yashwantrao Chavan College,

Karad.

Subject : Student Training on LED Board

Respected Sir,

With reference to your letter dated May 19, 2022, we allow four students in the B.Sc. III (Electronics) class to receive hands-on training on LED boards. The training period will be **May 23–28, 2022**. We are sorry to say that we will not provide any TA, DA, or residential facilities.

Dept. of Electronics

[Signature]
25/5/22

Principal

Yashwantrao Chavan College of Science, Karad



[Signature]
For Patil Technologies



Patil Technologies

Manufacturers of electronic equipments and LED Boards



+91 9175818537, +91 9890802 932



nmpaindia8051@gmail.com



Khanapur Road, Patil Vasti,
Vita 415311 Maharashtra



www.patiltechnologies.business.site

Ref. No. : HD

Date : 28.05.2022

Certificate of Training

This is to certify that **Shri Kasaki Kalyan Basavraj** of Yashwantrao Chavan College of Science, Karad, has successfully completed the training course on **LED Boards** offered by **Patil Technologies, Vita**, for the period **May 23–28, 2022**. During this period of the course, candidate work is appreciable.


For Patil Technologies



Dept. of Electronics


29/5/22

Principal

Yashwantrao Chavan College of Science, Karad



Patil Technologies

Manufacturers of electronic equipments and LED Boards



+91 9175818537, +91 9890802 932



nmpcindia8051@gmail.com



Khanapur Road, Patil Vasti,
Vita 415311 Maharashtra



www.patiltechnologies.business.site

Ref. No. : **HD**

Date : **28/05/2022**

Certificate of Training

This is to certify that **Shri Hirwale Rohan Mahendra** of Yashwantrao Chavan College of Science, Karad, has successfully completed the training course on **LED Boards** offered by **Patil Technologies, Vita**, for the period **May 23–28, 2022**. During this period of the course, candidate work is appreciable.


For Patil Technologies



Depts Electronics

20/5/22

Principal

Yashwantrao Chavan College of Science, Karad



Patil Technologies

Manufacturers of electronic equipments and LED Boards



+91 9175818537, +91 9890802 932



nmpaindia8051@gmail.com



Khanapur Road, Patil Vasti,
Vita 415311 Maharashtra



www.patiltechnologies.business.site

Ref. No. : HD

Date : 28/05/2022

Certificate of Training

This is to certify that **Miss Pawar Vaishnavi Arjun** of Yashwantrao Chavan College of Science, Karad, has successfully completed the training course on **LED Boards** offered by **Patil Technologies, Vita**, for the period **May 23–28, 2022**. During this period of the course, candidate work is appreciable.



Pawar
For Patil Technologies

Dept. of Electronics

[Signature]
29/5/22

Principal
Yashwantrao Chavan College of Science, Karad



Patil Technologies

Manufacturers of electronic equipments and LED Boards



+91 9175818537, +91 9890802 932



nmpaindia8051@gmail.com



Khanapur Road, Patil Vasti,
Vita 415311 Maharashtra



www.patiltechnologies.business.site

Ref. No. : HD

Date : 28/05/2022

Certificate of Training

This is to certify that **Miss Panaskar Shrutika Sanjay** of Yashwantrao Chavan College of Science, Karad, has successfully completed the training course on **LED Boards** offered by **Patil Technologies, Vita**, for the period **May 23–28, 2022**. During this period of the course, candidate work is appreciable.




For Patil Technologies

Dept. of electronics
29/5/22
Principal
Yashwantrao Chavan College of Science, Karad

LINKAGE

**Shri Shivaji Education Society's
Board of Higher Education, Vidyanagar, Karad
Department of Biotechnology
Yashwantrao Chavan College of Science, Karad
Maharashtra, India-415 124**



and



For KSHITIJ BIOTECH CORPORATION

Proprietor

**Kshitij Biotech
Wing, Tal. Karad Dist: Satara
Maharashtra, India – 415 122**

LETTER OF DECLARATION OF LINKAGE

The linkage is signed on **07 June, 2021** between Department of Biotechnology, Yashwantrao Chavan College of Science, Karad and Kshitij Biotech, Wing.

In this letter, Yashwantrao Chavan College of Science, Karad (YCCSK) and Kshitij Biotech, Wing jointly declared their functional linkage and expressed their desire to collaborate in students training, placement and extension each of them recognizing the other's respective strengths. Since, both want to improve and expand the functional relationship between them, we the undersigned now mutually consent to share the resources and facilities that are already available at our respective institutions. Additionally, the goal of these linkages is to increase collaboration and idea in fields of shared interest like plant tissue culture etc.

OBJECTIVES OF THE LINKAGE

Yashwantrao Chavan College of Science, Karad and Kshitij Biotech, Wing will collaborate on the following objectives with this linkage.

1. Finding the specialists for the good of all parties involved.
2. Through involvement in initiatives such as curriculum creation, laboratory development, innovative project development, curriculum feedback, etc., Kshitij Biotech, Wing will contribute to raising the academic standards of Yashwantrao Chavan College of Science, Karad.
3. Sharing of the infrastructure that is available to each party based on need and availability.
4. Allowing to each other to visit each other's campuses as they get permission and follow the organization's guidelines.
5. Yashwantrao Chavan College of Science, Karad shall provide consulting in the areas of specialization of its faculty members, subject to circumstances that have been mutually agreed upon.
6. Kshitij Biotech, Wing would fund projects or mini-projects for college students, contingent on availability; Yashwantrao Chavan College of Science, Karad will carry out projects by providing knowledgeable teachers as mentors.
7. Placement drives will be held by Yashwantrao Chavan College of Science, Karad, in order to meet Kshitij Biotech, Wing demand for technical personnel.
8. Students from Yashwantrao Chavan College of Science, Karad, would have the opportunity to participate in placement drives whenever they are arranged by Kshitij Biotech, Wing.
9. Both the parties can undertake collaborative projects/patents and the publications arising out of collaborative work shall be jointly published.



10. Yashwantrao Chavan College of Science, Karad will provide Kshitij Biotech, Wing with access to library resources.

Date: 07 June, 2021

Place: Karad

Yashwantrao Chavan College of
Science, Karad
Authorized Signatory

Kshitij Biotech, Wing
Authorized Signatory

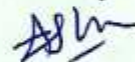


Principal
Principal,
Yashwantrao Chavan College
of Science, Karad



Director

For KSHITIJ BIOTECH CORPORATION





Proprietor



Course Co-ordinator
Department of Biotechnology

Witness

1. Mrs. S.S. Nalawade - 

2. Mrs. V.R. Patil - 



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Ref: /2022-23

Date : 05/05/2023

To,
Director,
Kshitij Biotech,
Wing.

Subject: - Linkage activity: Student Training.

Sir,

As per the linkage signed by the Department of Biotechnology, Yashwantrao Chavan College of Science, Karad and Kshitij Biotech, Wing and telephonic discussion with Mrs. Nalawade S.S., Five students in the B.Sc.III (Biotechnology) class want hands on training on Plant tissue Culture please allow them and do the needful.

Thanking you,

o/c
Received
6/5/2023



Yours faithfully,


Principal,
Yashwantrao Chavan College
of Science, Karad

Encl: Student list

For KSHITIJ BIOTECH CORPORATION


Proprietor



Kshitij Biotech Corporation

1480/4, Near Shindewadi Phata, Wing.
Karad-Dhebewadi Road, Tal. Karad Mob. 9823067755

Ref. No.

Date: 21-05-2022

Training Certificate

The certificate that Miss. Shraddha Subhash Yadav of Yashwantrao Chavan College of Science, Karad successfully completed the plant tissue Culture training course offered by Kshitij Biotech, Wing on May 15-21, 2022 during this course period candidate work is impressive.

For KSHITIJ BIOTECH CORPORATION


Proprietor





Kshitij Biotech Corporation

1480/4, Near Shindewadi Phata, Wing.
Karad-Dhebewadi Road, Tal. Karad Mob. 9823067755

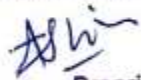
Ref. No.

Date: 21-05-2022

Training Certificate

The certificate that -Miss Bhagyashree Bharat Kadam of Yashwantrao Chavan College of Science, Karad successfully completed the plant tissue Culture training course offered by Kshitij Biotech, Wing on May 15-21, 2022 during this course period candidate work is impressive.

For KSHITIJ BIOTECH CORPORATION


Proprietor





Kshitij Biotech Corporation

1480/4, Near Shindewadi Phata, Wing.
Karad-Dhebewadi Road, Tal. Karad Mob. 9823067755

Ref. No.

Date: 21-05-2022

Training Certificate

The certificate that Miss. Aishwarya Adhikrao Pisal of Yashwantrao Chavan College of Science, Karad successfully completed the plant tissue Culture training course offered by Kshitij Biotech, Wing on May 15-21, 2022 during this course period candidate work is impressive.

For KSHITIJ BIOTECH CORPORATION


Proprietor





Kshitij Biotech Corporation

1480/4, Near Shindewadi Phata, Wing.
Karad-Dhebewadi Road, Tal. Karad Mob. 9823067755

Ref. No.

Date: 21-5-2022

Training Certificate

The certificate that Mr. Abhijit Manik Hake of Yashwantrao Chavan College of Science, Karad successfully completed the plant tissue Culture training course offered by Kshitij Biotech, Wing on May 15-21, 2022 during this course period candidate work is impressive.

For KSHITIJ BIOTECH CORPORATION

Ashu
Proprietor





Kshitij Biotech Corporation

1480/4, Near Shindewadi Phata, Wing.
Karad-Dhebewadi Road, Tal. Karad Mob. 9823067755

Ref. No.

Date: 21-5-2022

Training Certificate

The certificate that Miss Vaishnavi Vishwanath Pawar of Yashwantrao Chavan College of Science, Karad successfully completed the plant tissue Culture training course offered by Kshitij Biotech, Wing on May 15-21, 2022 during this course period candidate work is impressive.

For KSHITIJ BIOTECH CORPORATION


Proprietor

LINKAGE



Yashwantrao Chavan College of Science, Karad

&



Krishna Mahavidyalaya Rethare Bk

Linkage is signed on 1st July 2021 between Department of Physics, Yashwantrao Chavan College of Science, Karad (First Party) and Department of Physics, Krishna Mahavidyalaya Rethare Bk (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.

- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months' notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 1st July 2021.

Party	First Party	Second Party
Institute	Yashwantrao Chavan College of Science, Karad	Krishna Mahavidyalaya Rethare Bk
Signature		
Name & Designation	Mrs. M. P. Sarwade Head, Department of Physics	Dr. D. S. Dalavi Head, Department of Physics
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Dr. C. B. Salunkhe Principal
Seal		



महाराष्ट्र MAHARASHTRA

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जोड़पत्र १ व २ / Annexure I & II

मुद्रक टिकी कागज -
 Reason of the stamps and Amount
 मुद्रक टिकी कागज के मूल्य व राशि -
 Stamp Purchase Name
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 कलकत्ता - मुद्रक टिकी कागज का
 मुद्रक टिकी कागज का नाम

Principal
 Yashwantrao Chavan College
 of Science, Karad

429 दिनांक 30/08/2021

Principal

TREASURY OFFICE KARAD

30 AUG 2021

TREASURY OFFICER KARAD



Memorandum of Understanding
 Shri Shivaji Education Society, Karad's Board for Higher Education
 Vidyanagar, Karad
 Yashwantrao Chavan College of Science, Karad
 Department of English
 and
 Satara Chapter
 English Language Teachers' Association of India (ELT@I)



This Memorandum of Understanding (MOU) sets forth the terms and understanding between the **Department of English of Yashwantrao Chavan College of Science, Karad, Vidyanagar , Karad Maharashtra** (affiliated to Shivaji University, Kolhapur) and **Satara Chapter of ELT@I** (English Language Teachers' Association of India) for mutual cooperation.

Background

Inasmuch as these two organizations, **Department of English of Yashwantrao Chavan College of Science, Karad** and **Satara Chapter of ELT@I**, strive to advance English language education and understanding, and do so through numerous similar activities, it is deemed that each organization's goals may be more effectively met through mutual cooperation.

Purpose

This MOU will establish a framework for the two organizations to work together on issues regarding the development and enhancement of English education and understanding for the purpose of furthering the fields of English education.

Terms of Agreement

Both, **Department of English of Yashwantrao Chavan College of Science, Karad** and **Satara Chapter of ELT@I**, aim to support English education and provide professional development opportunities through their respective organizations and to the larger English language education communities in their respective areas. To this end, the two organizations intend to cooperate in the following ways:

1. Promotion of Events

Each organization will promote the partner organization's major conferences and events via digital media (such as the organization's website, email, e-newsletter, or social media) or as print material such as conference-distributed flyers (where applicable).

2. Exchange of Resources

The two partner organizations will exchange at least one copy of each other's newsletter, journal, and/or other publication every year either through online publication or hard copy publication.

3. Provision of Conference Presentations

Each organization will provide a presentation timeslot in the major conference/event for the representative of the partner organization to give an applied linguistics-or-ELT-related concurrent-session presentation at that conference/event.

4. Waiver of Conference Fees

Each organization will waive the conference/event registration fee(s) for the representative of the partner organization who will be giving the presentation.

5. Additional Cooperation

The two organizations will further explore areas of mutual interest and cross-promote each other's organization whenever possible.

6. Contacts

Each partner organization will keep the other informed of the current contact person for their organization and of their contact details.

Funding

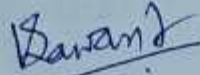
This MOU is not a commitment of funds by one partner organization to the other for the other partner organization's activities.

Duration

This MOU is an at-will agreement and may be modified by mutual consent of authorized officials from Department of English of Yashwantrao Chavan College of Science, Karad and ELT@I. This MOU shall become effective upon signature by the authorized officials from these two organizations and will remain in effect until modified, or until terminated through written notification by any one of the partners or by mutual consent.

Signed by:

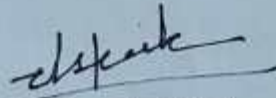
Date: 8th Sept. 2021
Place: Karad



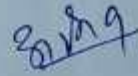
Prof. Dr. Sunil R. Sawant
President
ELT@I, Satara Chapter



Dr. Suryakant B. Kengar
Principal
Yashwantrao Chavan College of Science,
Karad



Dr. Dnyandeo S. Kale
Chapter Convener
ELT@I, Satara Chapter
7588059173
eltaisatara@gmail.com




Dr. Arvind T. Jadhav
Assistant Professor and Head
Department of English
7448221826
arvind.linguistics@gmail.com



Yashwantrao Chavan College of Science, Karad

Activity Report 2021-22

Seminar on Developing Communicative Competence for Better Employability

Department of English	Date of event: 27/10/2021
Purpose	Unable students to know about importance of soft skills in their professional life.
Number of Beneficiaries	87
Class involved	MSc I and II Microbiology
Outcome/ Success Achieved	They are able to use these soft skills in appropriate situations.
Teachers/ Guests Involved	Prof. Dr. Sunil Sawant Professor and Head Department of English Kisan Veer Mahavidyalaya, Wai Prof. Dr. Satish Ghatage Principal (I/C) Shikshan Maharshi Bapuji Salunkhe College, Karad
Photos of the Event	 <p>Hon. Prakash Patil delivering presidential remarks with Prin. Dr. S. B. Kengar, Prof. Sunil Sawant, Prof. Satish Ghatage, and organizer Dr. Arvind Jadhav</p>



Felicitation of the Guests



Prof. Satish Ghatage delivering his lecture on "Soft Skills"



महाराष्ट्र MAHARASHTRA

2021

YZ 661620

Form for recording the stamp paper details. The form includes fields for Nature of the document, Whether, If, Promissory, Court, Stamp, Name of the person, If through, Serial No., Stamp Purchase, and other details. The form is filled with handwritten information and checked boxes.

दस्तावेज की प्रकृति (Nature of the document)	यशवंतराव चव्हाण
दस्तावेज क्या है? (Whether)	-
यदि हो तो (If)	-
प्रतिज्ञा (Promissory)	-
कोर्ट (Court)	-
मुद्रांक (Stamp)	- Principal, Yashwantrao Chavan College of Science, Karad
दस्तावेज का नाम (Name of the document)	-
हस्ताक्षर (If through)	17/12/2021
मुद्रांक संख्या (Serial No.)	70072
मुद्रांक विवरण (Stamp Purchase)	2849794-12-2021
मुद्रांक विक्रय (Stamp Purchase)	X
श्री. वि. द. चव्हाण मुद्रांक विक्रयारी सह. (Stamp Purchase)	X
पत्र 230307, 2018 में निर्दिष्ट भाग दरमम निर्दिष्ट भाग का भाग 9	
यदि कार्यालयी दस्तावेज है तो उसे केंद्र के दस्तावेज के रूप में दर्ज करना है। (If official document, it should be recorded as such.)	



MEMORANDUM OF UNDERSTANDING
BETWEEN

Mula Education Society's
Arts, Commerce and Science College, Sonai,
Tal. Newasa, Dist. Ahmednagar PIN 414105 (MS) India
AND

Shri Shivaji Education Society, vidyanagar , Karad's Board for Higher Education
Vidyanagar, Karad

Yashwantrao Chavan College of Science, Karad,
Tal. Karad, Dist. Satara PIN 415124 (MS) India

Yashwantrao Chavan College of Science, Karad and Arts, Commerce and Science College, Sonai has taken an initiative of formulating memorandum of understanding for the purpose of Environmental Education, Awareness and Activities

operation, promotion, training placement to standardize policies, procedures and to collectively out the areas for better academics and research. Therefore the institutes agree to establish the memorandum of understanding (MoU) with terms and conditions.

1) AIMS AND OBJECTIVES:

The goal of this co-operation is to inspire the collaborations, provide opportunities for Interdisciplinary experience.

- Developing new pattern of interdisciplinary activities.
- Provision of consultancy for student and staff improvement.
- Exchange of information on research, learning material and practical knowledge.
- Joint organization and participation of training programmes.

2) ACTIVITIES OF COLLABORATION:

- Exchange of staff for the purpose of implementation of joint tasks within the areas of cooperation.
- The two organizations agree to share their respective important laboratory, library and other supporting facilities in order to promote academic and research.
- Both the institutions agree to organize skill oriented training programmes. .
Demonstration and hands on training for both staff and students.

- Organize industrial visit for the students.
- To increase environmental awareness for better purpose.
- The areas identified for cooperation in the field of E-Commerce in Agriculture.

This MoU will address the basic relationship, roles and responsibilities of the parties but leaves for later agreement the more precise terms that will constitute the substance of the partnership. This MoU provides scope of adding further college and industry in future.

3) AUTHORITY:

The MoU will primarily be governed by the head of the institutions. The head will be the authority to represent and express the institutions and decision will be implemented.

4) ROLES AND RESPONSIBILITIES OF THE PARTIES:

Parties agree to conduct the following activities from the date of signing.

- Work jointly on the issues related to quality in education.
- Have necessary agreements needed for conducting activities in the institutions.
- Share information with confidentiality as the main clause which does not harm both the parties.
- Create better working environment and better academic practices through joint volume and work on social responsibilities as well current issues-solving and awareness.
- Conduct activities needed by the organizations together like training programme, industrial visit, guest lectures and counseling programme for students.
- Analysis of E-Commerce in Agriculture by the faculty of Shri Dnyaneshwar Mahavidyalaya, Newasa which produced by Lakshicon Bio Organic, Mukindpur, Tal. Newasa, Dist-Ahmednagar.
- Sharing infrastructure (laboratories) to promote education and research by both the parties.

- To encourage self-evaluation, accountability, autonomy and innovations in college and industry.

5) FUNDING:

The concerned parties are free to choose the pricing of programme. The involved parties on sharing basis can develop the funds. The mechanism of funding is to be decided and executed by the interacting partners.

6) AGREEMENTS:

In order to inspire the successful completion of this MoU the parties agree to the following terms and condition. Both party pledges in good faith to go forward with this MoU and subject to the terms and conditions.

- Either party may withdraw at any time from this MoU by transmitting a signied writing to that effect to the other party.
- The parties agree that withdraw at any time from this MoU previous student data submined by will remain with the parties.
- By mutual agreement the parties may modify the list of intended activities set and to determine practical manner by which the goal purpose and activities of this MoU will be accomplished. However any modification to any other written part of this Mol) must be made in writing and signed by both parties and their designees.
- Nothing of this Moll constrict horize or permit violation of any government, state or local, UGC or university law imposed upon the parties. • The parties will not compel each other that could lead to any legal hassle. Every party has right to share the information they feel worth sharing. It is no binding on parties to share each and every information.

7) DURATION AND TERMINATION:

This MoU will take effect from the date it is signed by head of the two institutions. It will remain valid for period of five years. Either institution may terminate by

giving written notice to the other institution six month in advance.. Once terminated both the institution will not responsible for any losses.



Principal
Arts, Commerce and Science College,
Sonai



Principal
Yashwantrao Chavan College of Science,
Karad




YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD
Activity Report

Name of the Department	Department of Botany
Title of the activity	Guest Lecture
Date	18.12.2021
Topic	"Plants: Precious gift of Nature"
Invited Speaker	Dr. S. L. Laware Principal, ASC college, Sonai Dist. Ahamdnagar
No. of Beneficiaries	57
Outcome/Success achieved	Motivation, Inspiration



Latitude: 17.306557
Longitude: 74.187853
Accuracy: 2000.0 m
Time: 18-12-2021 16:03
Note: Guest lecture Dr Laware Botany department


Program In-charge


Head
Department of Botany
Yashwantrao Chavan College of
Science, Karad


IQAC Coordinator
Internal Quality Assurance Cell (IQAC)
Yashwantrao Chavan College
of Science, Karad


Principal
Yashwantrao Chavan College of Science
Karad



Estd. 1958

|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref.: BOT/ *APR 19* /2020-21

Date: 10/12/2021

To,

Dr. S. L. Laware,
Principal, ASC College, Soani,
Dist. Ahmednagar

Subject: Invitation as "Resource Person"

Respected Sir,

It is our great pleasure to invite your as a "**Resource Person**" for deliver a Guest Lecture on 18/12/2021 at 3.00 pm.

I request you to kindly accept our invitation and deliver a Guest Lecture on the topic "Plants: Precious gift of Nature" for Undergraduate Students.

Thanking you,

Yours faithfully



[Signature]
Principal

Yashwantrao Chavan College of Science, Karad

Estd. 1958



|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

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Ref.: BOT/ *18/12/21* /2020-21

Date: 18/12/2021

To,

Dr. S. L. Laware,
Principal, ASC College, Soani,
Dist. Ahmednagar

Subject: Letter of Appreciation.

Respected Sir,

On behalf of Yashwantrao Chavan College of Science, Karad, we would like to extend our heartfelt thanks and gratitude to you for interacting with and addressing our students as a resource person on 18/12/2021. The students gained valuable insights and knowledge about the said topic. The information you shared was very enlightening for our students.

Thank you very much once again for associating with us. We look forward to a long and fruitful association with you.

Thanking you,

Yours faithfully,



Principal

Yashwantrao Chavan College of Science, Karad

Estd. 1958



|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B⁺⁺ Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref.: / HD / 2021-22

Date: 15/12/2021

To,
The Principal,
Dr. S. L. Laware
Art's, Commerce and Science College Sonai;
A/p- Sonai, Tal- Newasa, Dist- Ahmednagar-414105

Respected Sir,

As per your phonic discussion with Dr. S. A. Kirtane, I have great pleasure to invite you to deliver a lecture on 18th Dec. 2021 at 1.00 p.m. for our undergraduate students to make them know about "Plants are precious gift of Nature". Your lecture will also be a better opportunity to our students to know more about Plants.

Thanking you



Principal

Yashwantrao Chavan College of Science, Karad

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड

वनस्पतिशात्र विभाग

व्याख्यान

“ वनस्पती : निर्सगाची अमूल्य देणगी ”

“Plants: The Precious Gift of Nature”

कार्यक्रम पत्रिका

प्रास्ताविक व स्वागत	:	डॉ. जी. जी. पोतदार
प्रमुख पाहुण्यांची ओळख	:	डॉ. किर्तने एस. ए.
प्रमुख पाहुण्यांचा सत्कार	:	हस्ते मा. प्राचार्य डॉ. केंगार एस. बी.
प्रमुख पाहुण्यांचे मार्गदर्शन	:	डॉ. शंकर लावरे प्राचार्य, आर्ट्स, कॉमर्स अँड सायन्स कॉलेज, सोनेई, अहमदनगर
अध्यक्षांचे मनोगतं	:	मा. प्राचार्य डॉ. केंगार एस. बी.
आभार प्रदर्शन	:	श्रेयश दत्तात्रय स्वामी
सूत्रसंचालन	:	चव्हाण एस आर /

वार व दिनांक : शनिवार, १८. १२. २०२१

स्थळ : ले. हॉ. नं. १




Principal

Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department Botany

Title of the program: "Plants: Precious gift of Nature"

Date: 18.12.2021

Time:

Sr. No	Name of the Student	Class	Sign
1	Priti shivaji jadhav.	B.SC-II	<u>Priti</u>
2	Khot Prachi Rajendra	B.SC-II	<u>Prachi</u>
3	Nikam snehal Sampat	B.SC-II	<u>Nikam</u>
4	Patil Dhanshi sambhaji	M.Sc.II	<u>Patil</u>
5	Talwar Shilpa Chandrakant	B.Sc-II	<u>Shilpa</u>
6	diryazani C.patil.	M.Sc-II	<u>C.Patil</u>
7	Patwar shrushti Vitthal	B.Sc.-I	<u>Shrushti</u>
8	Kadam Sanjayani J.	B.Sc-I	<u>S.N</u>
9	Salunkhe adity. G	B.Sc-I	<u>Salunkhe</u>
10	Jadhav Arati Sanjay.	B.Sc-II	<u>Arati</u>
11	Lohar Yashpal Sunil	B.Sc-I	<u>Y.S.Lohar</u>
12	shinde Abhijeet vilas	B.Sc-I	<u>Shinde</u>
13	Thorat Rohit Anil	B.Sc-I	<u>Thorat</u>
14	Veer Shubham Tanaji	B.Sc-I	<u>Veer</u>
15	Pratil Shrushti Rajaram.	B.Sc-II	<u>Pratil</u>
16	Chormare AKshada A.	B.Sc-I	<u>Chormare</u>
17	mane madhavi G.	B.Sc-I	<u>M.G.mane</u>
18	Devaskar VINEK R.	B.Sc-I	<u>D.V.R.</u>
19	Bhosale srusti R.	B.Sc-I	<u>Bhosale</u>
20	Madhavi Mahadev Debmush.	B.Sc-I	<u>M.Madhus</u>



[Signature]
Principal

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

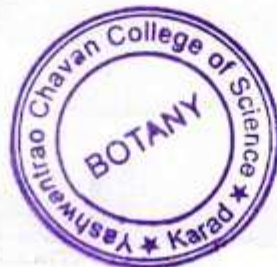
Department Botany

Title of the program: plants: The precious Gift of nature

Date: 18/12/2021

Time:

Sr. No	Name of the Student	Class	Sign
21	Sanika Mahesh chavan.	B.Sc-I	Schanni
22	Amangaji Ashwarya Sunil	M.Sc II	Amangaji
23	Patil snehal sudhakar.	M.Sc-II	Snehal
24	Prasad Shrinant Jadhav.	B.Sc-I	Prasad
25	Jagtap Vaishnari Sanjay.	B.S.C -II	Vaishnari
26	Somanath sanjay Dhukate.	B.Sc-II	Somanath
27	Shubham natha shinde.	B.Sc-II	shubham
28	Shreyash dattatray Swami	B.Sc-I	Swami
29	Rutuja S Dhemare.	M.Sc II	Rutuja
30	Patil Rajnandini Arun	B.Sc-II	Rajnandini
31	Shubhangi V. Chavan.	M.Sc-II	Shubhangi
32	Nishigandha B. Patil.	M.Sc-II	Nishigandha
33	Saimed S. Mallewade.	M.Sc-I	Saimed
34	Sujit Anil Sutar.	B.Sc-I	Sujit
35	Nalawade, Pratiksha Rajendra	B.Sc-II	Pratiksha
36	shinde sanket ashok.	B.Sc-I	Sanket
37	Shubham Gaikwad	B.Sc-I	Shubham
38	Atul Dharmraj Nalawade	B.Sc-I	A.D. Nalawade
39	sanjivani santaji Tharot.	B.Sc-I	sanjivani
40	Pawas. Snehal Chandrakant.		Snehal



Principal
Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

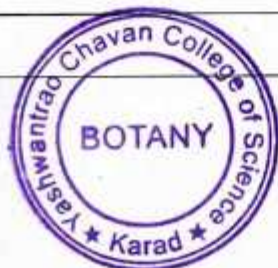
Department Botany

Title of the program: Plants: The Precious Gift of Nature

Date: 18/12/2021

Time:

Sr. No	Name of the Student	Class	Sign
41	Patil Dhamashri Subhash	B.Sc-II	Patil
42	Jagtap Anuradha Ashok	F.Y.B.Sc	Anuradha
43	Charan Pradnya Rajendra	B.Sc. Iy.	Pradnya
44	Zyali Manik Charan	B.Sc II	Charan
45	Sulunkhe Pranita Sanjay	B.Sc-II	Sulunkhe
46	Surykant Poozam Rajhunath	M.Sc-I st	Poozam
47	Jadhav Akshada Prakash	B.Sc-II	A. Jadhav
48	Ambardekar Nutan Bajarang	M.Sc-II	N.Ambardekar
49	Shinde Dipti Sandeep	M.Sc. II	D.S. Shinde
50	Ketkar Swapanali Pandurang	B.Sc.	Swatkar
51	Mali Sushmita Vijay	M.Sc-II	Mali
52	Amrata Ashok Jangam	M.Sc-II	A.Jangam
53	Pratiksha Ganesh Kamble	M.Sc-II	G.Kamble
54	Bandgar Ruhini Suresh	M.Sc-II	Bandgar
55	Pawar Gauri Sambhaji	B.Sc-II	Pawar
56	Aarti Pandurang Patil	M.Sc-II	Patil
57	Pawar Swarnali Anil	B.Sc-II	Pawar



Principal
Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Botany

Feedback Form

Topic: "Plants: The precious Gift of Nature"

Chief Guest : Dr. Shankar Laware

Principal,
Arts, Commerce and Science College,
Sonai, Ahmadnagar.

Date: 18.12.2021

✓ Tick Mark – as per your view

A. Topic Covered

Very Good ✓	Good	Satisfactory
-------------	------	--------------

B. Quality of Presentation

Very Good ✓	Good	Satisfactory
-------------	------	--------------

C. Effectiveness of Presentation

Very Good ✓	Good	Satisfactory
-------------	------	--------------

D. Overall organization

Very Good ✓	Good	Satisfactory
-------------	------	--------------

E. Usefulness of Program-

It was really a good program
got to know the importance of environment & I am
thankful about it.

F. Suggestion if any-

None.

Name: Pawar Srushti Vitthal.

Roll No. : 2201

Class: B.Sc.Sy

Signature: Spawar




Principal

Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Botany

Feedback Form

Topic: "Plants: The precious Gift of Nature"

Chief Guest : Dr. Shankar Laware

Principal,
Arts, Commerce and Science College,
Sonai, Ahmadnagar.

Date: 18.12.2021

✓ Tick Mark – as per your view

A. Topic Covered

<input checked="" type="checkbox"/> Very Good	<input type="checkbox"/> Good	<input type="checkbox"/> Satisfactory
---	-------------------------------	---------------------------------------

B. Quality of Presentation

<input checked="" type="checkbox"/> Very Good	<input type="checkbox"/> Good	<input type="checkbox"/> Satisfactory
---	-------------------------------	---------------------------------------

C. Effectiveness of Presentation

<input checked="" type="checkbox"/> Very Good	<input type="checkbox"/> Good	<input type="checkbox"/> Satisfactory
---	-------------------------------	---------------------------------------

D. Overall organization

<input checked="" type="checkbox"/> Very Good	<input type="checkbox"/> Good	<input type="checkbox"/> Satisfactory
---	-------------------------------	---------------------------------------

E. Usefulness of Program-

~~Importance of plants~~ importance of plants.

F. Suggestion if any-

No.

Name: Divyarani. C. Patil

Class: M.sc II

Roll No. :

Signature: Deepta




Principal
Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Botany

Feedback Form

Topic: "Plants: The precious Gift of Nature"

Chief Guest : Dr. Shankar Laware

Principal,
Arts, Commerce and Science College,
Sonai, Ahmadnagar.

Date: 18.12.2021

✓ Tick Mark – as per your view

A. Topic Covered

Very Good ✓	Good	Satisfactory
-------------	------	--------------

B. Quality of Presentation

Very Good ✓	Good	Satisfactory
-------------	------	--------------

C. Effectiveness of Presentation

Very Good	Good ✓	Satisfactory
-----------	--------	--------------

D. Overall organization

Very Good ✓	Good	Satisfactory
-------------	------	--------------

E. Usefulness of Program-

Plants importance for life time.


F. Suggestion if any-

No.

Name: Petil Dhanshi Sambhaji

Class: MSc. II

Roll No. :

Signature: 




Principal

Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Botany

Feedback Form

Topic: "Plants: The precious Gift of Nature"

Chief Guest : Dr. Shankar Laware

Principal,
Arts, Commerce and Science College,
Sonai, Ahmadnagar.

Date: 18.12.2021

✓ Tick Mark – as per your view

A. Topic Covered

Very Good ✓	Good	Satisfactory
-------------	------	--------------

B. Quality of Presentation

Very Good ✓	Good	Satisfactory
-------------	------	--------------

C. Effectiveness of Presentation

Very Good ✓	Good	Satisfactory
-------------	------	--------------

D. Overall organization

Very Good ✓	Good	Satisfactory
-------------	------	--------------

E. Usefulness of Program-

Plant provide with us food shelter & fibre

F. Suggestion if any-

Name: Nikam snehal Sampat

Class: 8-SC II

Roll No. : 2235

Signature: @Nikam




Principal

Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Botany

Feedback Form

Topic: "Plants: The precious Gift of Nature"

Chief Guest : Dr. Shankar Laware

Principal,
Arts, Commerce and Science College,
Sonai, Ahmadnagar.

Date: 18.12.2021

✓ Tick Mark – as per your view

A. Topic Covered

Very Good ✓	Good	Satisfactory
-------------	------	--------------

B. Quality of Presentation

Very Good ✓	Good	Satisfactory
-------------	------	--------------

C. Effectiveness of Presentation

Very Good ✓	Good	Satisfactory
-------------	------	--------------

D. Overall organization

Very Good ✓	Good	Satisfactory
-------------	------	--------------

E. Usefulness of Program-

The program is useful. I got a knowledge.
I am thankful about it.

F. Suggestion if any-

Name: Khot Peachi Rajendra .

Roll No. : 2226

Class: B.Sc II

Signature: 




Principal
Yashwantrao Chavan College of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Department of Botany

Feedback Form

Topic: "Plants: The precious Gift of Nature"

Chief Guest : Dr. Shankar Laware

Principal,
Arts, Commerce and Science College,
Sonai, Ahmadnagar.

Date: 18.12.2021

✓ Tick Mark – as per your view

A. Topic Covered

Very Good ✓	Good	Satisfactory
-------------	------	--------------

B. Quality of Presentation

Very Good ✓	Good	Satisfactory
-------------	------	--------------

C. Effectiveness of Presentation

Very Good ✓	Good	Satisfactory
-------------	------	--------------

D. Overall organization

Very Good ✓	Good	Satisfactory
-------------	------	--------------

E. Usefulness of Program-


It was a really good program. I got a knowledge.
It is very useful program. I am thankful about it

F. Suggestion if any-

Name: Sanjivani Santaji Thorat

Class: B.Sc. I

Roll No. : 355

Signature: 




Principal
Yashwantrao Chavan College of Science, Karad



महाराष्ट्र MAHARASHTRA

2021

YZ 704280

जोडपत्र १ व २ / Annexure-I & II
 Reason of Sale Stamps and Amount
 Stamp Purchasers Name
 Stamp Purchasers Name
 Serial No and Date
 Stamp Purchasers Sign.
 १५२० दिनांक २६/१२/२०२१
 Principal,
 Yashwantrao Chavan College
 of Science, Karad
 मुद्रांक विक्रेताची सही
 २६/१२/२०२१



२६/१२/२०२१ मुद्रांक खरेदी केला जातो त्यानंतर काळासाठी मुद्रांक खरेदी केलेल्यासुद्धा ६ महिने या शपथी बंधनकारक आहे.

MEMORANDUM OF UNDERSTANDING

BETWEEN



Shri Shivaji Education Society's
 Yashwantrao Chavan College of Science, Karad
 Tal. Karad, Dist. Satara - 415 124 (MS) India

AND

Kasegaon Education Society's
 Rajarambapu College of Pharmacy, Kasegaon,
 Taluka - Walwa, District - Sangli- 415 404 (MS) India



MEMORANDUM OF UNDERSTANDING

BETWEEN



**Shri Shivaji Education Society's
Yashwantrao Chavan College of Science, Karad
Tal. Karad, Dist. Satara – 415 124 (MS) India**

AND



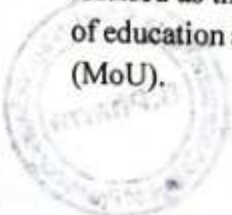
**Kasegaon Education Society's
Rajarambapu College of Pharmacy, Kasegaon,
Taluka - Walwa, District – Sangli- 415 404 (MS) India**

BACKGROUND OF THE ORGANIZATIONS

Shri Shivaji Education Society, Karad, founded by Late Hon. Shri Yashwantrao Chavan, former Deputy Prime Minister of India, established this college in June 1958 as Science College Karad with an objective of providing education in science to students of the Karad area in Maharashtra. To keep his memory alive, the college was renamed after him in 1986. The college building inaugurated in 1960 by the then President of India, Dr. Rajendra Prasad is located in a sprawling campus of around 40 acres and has flourished under the able stewardship of Late Hon. Shri P. D. Patil. Today Yashwantrao Chavan College of Science, Karad is one of the premier educational institution in this region. It is permanently affiliated to Shivaji University, Kolhapur. It is recognized by UGC and included under section 2F and 12(b) of UGC act. It is ISO 9001: 2015 certified and NAAC accredited B⁺⁺ Grade college, offering Undergraduate, post-graduate and PhD education Science faculty.

Kasegaon Education Society is one of the leading educational organizations in the Western Maharashtra. It was established in 1945 by Late Shri. Rajarambapu Patil, the leading statesman. Considering the need of time, the Society focused its attention on taking the education to the threshold of the rural masses. Rajarambapu College of Pharmacy, Kasegaon was established in 2005 and it has proved to be a landmark development of the Society as well as an instrument for expanse of its horizon.

Shri Shivaji Education Society's Yashwantrao Chavan College of Science, Karad (hereafter referred as the Institution) and Rajarambapu College of Pharmacy, Kasegaon (hereafter referred as the Institution), wishing to develop friendly and cooperative relations in the field of education and research have agreed to establish the present memorandum of understanding (MoU).



1) PURPOSE

The Institutions recognize mutual benefits to be derived from increased collaboration, cooperation and interaction for the purpose of promotion of awareness activities, Campaigns and conduction of various programmes including internship, conferences related to environmental sustainability, food safety, health and traditional knowledge.

2) SCOPE

This MOU sets forth the intentions of Both parties for increased collaboration, cooperation and interaction and does not create any legal binding commitments. If the Institutions later agree to undertake specific joint projects with legally binding obligations, they may develop separate written agreement for such projects, setting out contribution and deliverables.

3) OBJECTIVES

1. Yashwantrao Chavan College of Science, Karad and Rajarambapu College of Pharmacy, Kasegaon will encourage direct contact and cooperation between faculty members, staff and students of the Yashwantrao Chavan College of Science, Karad, affiliated colleges and recognized institutions of the Yashwantrao Chavan College of Science, Karad and Rajarambapu College of Pharmacy, Kasegaon.
2. To Exchange of invitations of lectures, seminars, workshops, conferences, symposia and other academic programmes;
3. To Exchange of faculty members and students for study and teaching and research;
4. To start joint research activities, publications, library and data exchange;
5. Any other specific academic activity related with study, teaching and research designed and mutually agreed between the parties.

4) FUNDING:

Both parties are free to choose the pricing of programmes. The involved Both parties, on sharing basis, can develop the funds. The mechanism of funding is to be decided and executed by the Head of Institutions.

5) AGREEMENTS:

In order to inspire successful completion of this MoU, both parties agree to pledge in good faith to go forward with this MoU, subjected to the following terms and conditions.

- This MoU will take effect from the date, it is signed by head of both parties. It will remain valid for period of five years.
- Both the parties may terminate by giving written notice to the other institution three months in advance. Once terminated both the organizations will not be responsible for any losses.



- By mutual agreement, both parties may modify the list of intended activities. However, any modification to any other written part of this MoU must be made in writing and signed by both parties and their signatories.
- Nothing of this MoU permit violation of any government, state, local, UGC or university laws, imposed upon the Both parties.
- The Both parties will not compel each other that could lead to any legal hassle.
- Each organization has right to share the information they feel worth sharing. It is no binding on organization to share each and every information.
- The issue with intellectual property right can be shared only with prior permission of the concerned organization.

6) DURATION AND TERMINATION:

This MoU will take effect from the date, it is signed by head of the two institutions. It will remain valid for period of five years. Either institution may terminate the MOU by giving written notice to the other institution three months in advance. Once terminated both the institutions will not responsible for any losses.

7) AMENDMENTS / MODIFICATIONS

This MoU may be amended or modified from time to time, by written agreement signed by the representatives of both organizations.

Principal

Yashwantrao Chavan College of Science,
Karad
Tal. Karad, Dist. Satara -415124



Witness
R.V. Bharpure

Principal

Rajarambapu college of pharmacy, Kasegaon
Taluka - Walwa, District - Sangli- 415 404
(MS) India

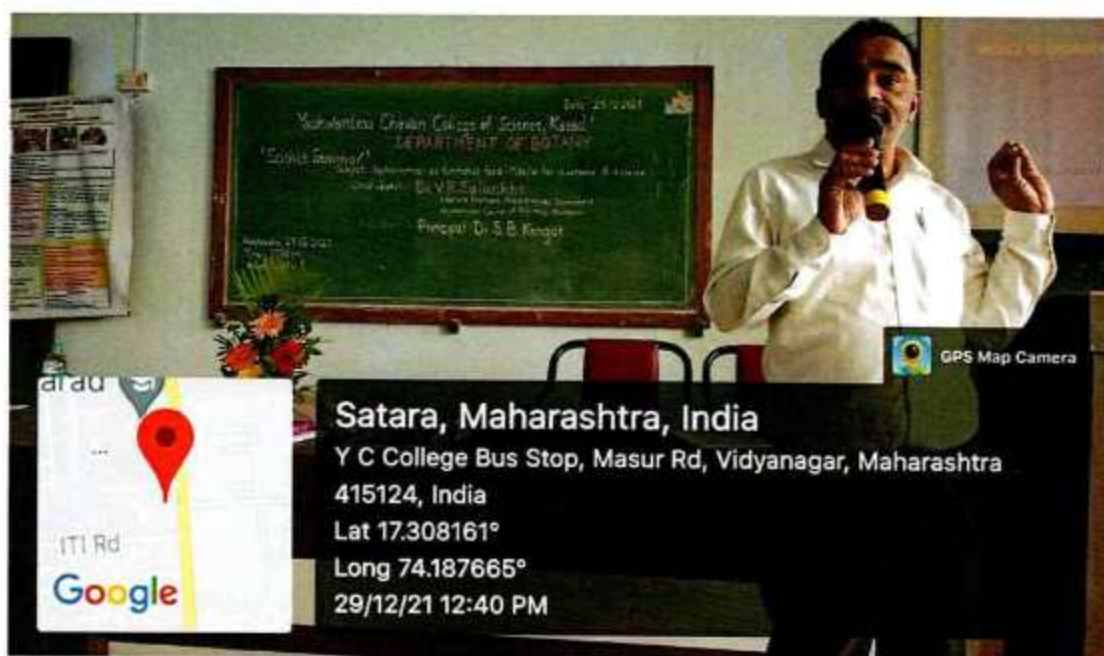


Witness


Atul R. Chopade


YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD
Activity Report, 2021-22

Name of the Department	Department of Botany
Title of the activity	Science Seminar and Scientica
Date	29 Dec. 2021
Invited Speaker	Dr. V. R. Salunkhe Rajarambapu Patil College of Pharmacy, Kasegaon
Title of Speech:	Nutraceuticals as functional food: Missile for disorders and diseases
No. of Beneficiaries	123
Outcome/Success achieved	Importance of Nutraceuticals as a medicine




Program In-charge


IQAC Coordinator
 Internal Quality Assurance Cell (IQAC),
 Yashwantrao Chavan College
 of Science, Karad


Head
 Department of Botany
 Yashwantrao Chavan College of
 Science, Karad


Principal
 Yashwantrao Chavan College of Science
 Karad

Estd. 1958

|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

29 . 12 . 2021

वनस्पतीशास्त्र विभाग भायन्स सेमिनार

कार्यक्रम पत्रिका

स्वागत व प्रस्ताविक	:	डॉ. जी.जी. पोतदार
प्रमुख पाहुण्यांची ओळख	:	डॉ. एस.ए. किरने
प्रमुख पाहुण्यांचा सत्कार	:	हस्ते प्राचार्य डॉ. एस.बी. केंगाव
भित्तीपत्रक प्रकाशन	:	हस्ते मा.प्रमुख पाहुणे
प्रमुख पाहुण्यांचे मार्गदर्शन	:	मा. प्रा. डॉ. प्ही.आर. बालुंबे सहयोगी प्राध्यापक, राजारामभाऊ कॉलेज ऑफ फार्मसी, कासेगाव.
अध्यक्षीय मनोगत	:	प्राचार्य डॉ. एस.बी. केंगाव
आभार प्रदर्शन	:	श्री. श्रेयशा स्वामी
सुत्रसंचालन	:	प्रा. सौ. एस.आर. चव्हाण




Principal

Yashwantrao Chavan College of Science, Karad



Estd. 1958

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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715 Index No. J 21.02.002

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref. No. / 215 /2021-22

Date: 27.12.2021

To,
Dr. V.R. Salunkhe
Associate Professor,
Pharmacognosy Department,
Rajarambapu College of Pharmacy, Kasegaon.
Dsit- Sangali

Subject : Invitation as a Chief guest for Inauguration for Science Seminar on topic "Nutraceutical as functional food – Missile for disorders & diseases".

Respected Sir,

It is our great pleasure to invite you as Chief Guest for inauguration function of **Science Seminar on topic "Nutraceutical as functional food – Missile for disorders & diseases"** on Wednesday, December 29th 2021.

It's my pleasure to invite you as a Chief Guest for Inauguration function. The inauguration is at 11.00 am. You are requested to bless us through your speech.

Kindly accept the invitation and grace us with your presence at the Science Seminar. You are expected to be at 11.00 a.m. on 29th Dec. 2021.

Thanking you,

Yours Sincerely,




Principal

Yashwantrao Chavan College of Science
Karad

Estd. 1958

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Shri Shivaji Education Society Karad, Board For Higher Education's



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715 Index No. J 21.02.002

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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref. No. *hny*/2021-22

Date: 29.12.2021

To,
Dr. V.R. Salunkhe
Associate Professor,
Pharmacognosy Department,
Rajarambapu College of Pharmacy, Kasegaon.
Dist- Sangali

Sub. – Lecture under Science seminar.

Respected Sir,

We are very much thankful to you for accepting our invitation and sparing your time and sharing your intellectual thoughts with our students in the Science seminar activity.

Your talk on topic “Nutraceutical as functional food – Missile for disorders & diseases” was really informative and inspiring to all the students.

Thanking you



Yours faithfully,

Principal

Yashwantrao Chavan College of Science
Karad

Yashwantrao Chavan College of Science, Karad

Department of Botany

Science Seminar

Students Attendance

Guest Lecture -

29.12.2021

Sr. No.	Name of Students	Class	Signature
1	Agrwane Sanjivani Prabhudas	B.Sc I	
2	Kadam Sanjivani Jalinder	B.Sc I	
3	Jagtap Sanika Nivas	B.Sc I	
4	Nikam Siddhi Ramesh	B.Sc I	
5	Gholap Sanika Tanaji	B.Sc-I	
6	Danane Sonali Dattatray	B.Sc-I	
7	Shinde Asmita Nitin	—	
8	Thorat Pournima Balkrushna	—	
9	Deshmukh Tilottama Sanjay	B.Sc.-I	T.S. Deshmukh
10	Patil Namrata Sudam	B.Sc I	
11	Deshmukh Supriya Sanjay	B.Sc: I 371	
12	Patil Manasi Arvind	B.Sc. I 416	
13	Yadav Vaishnavi Prakash	B.Sc. I (405)	
14	Kale Saniya Dayanand	B.Sc I (394)	
15	Kolhapure Sayali Vidyasagar	B.Sc I (375)	
16	Tadhav Madhura Sudhakar	B.Sc I (413)	
17	Patil Mahesh Sunil	M.Sc I (4128)	
18	Patil Pratiksha Atmatam	M.Sc I (4150)	
17	Patil Pooja Tanaji	M.Sc I (4129)	
18	Chopdar Supriya Vijay	M.Sc I (4104)	
19	Jagtap Vaishnavi Prakash	M.Sc I (4114)	
20	Ghashi Swaliya Yusufali	M.Sc I (4108)	
21	Desai Pratiksha Manikrao	M.Sc I (4118)	
22	Korale Akshata Ananda	M.Sc I (4117)	
23	Ghasav Pradnya Laxman	M.Sc I (4110)	
24	Taware Achal Vinayak	M.Sc I (4134)	
25			
26			
27			
28			



Principal

Yashwantrao Chavan College of Science, Karad

Department of Botany

Science Seminar

Students Attendance



Guest Lecture -

29.12.2021

Sr. No.	Name of Students	Class	Signature
1	Saunkhe Rutuja Dhanaji	MSc-I chem.	Saunkhe
2	Mahajan Sakshi Vinayak	BSc II	Mahajan
3.	Jadhav Rutuja Arun	BSC II nd	Jadhav
4.	chorage mata sambhaji	BSC II	Chorage
5.	Mulla Hasina Ramjan.	BSC II	Mulla
6.	Jadhav Shrutika Amrut	M.Sc I (chem)	Jadhav
7.	Jagdale Priyanka Shamrao	"	Jagdale
8.	Monite Tejaswini Tanaji	"	Monite
9.	Thorawade Ankita Amr	"	Thorawade
10.	Patvekar Arshiya Arif	B.Sc. III	Patvekar
11	Shant Sanika Gadashiv	MSc-I	Shant
12.	Rakate Nikita Ramesh	M.Sc-I	Rakate
13.	Mahamuni Arati Vilas	M.Sc-I	Mahamuni
14.	Patil Amruta Ramesh	M.Sc-I	Patil
15	Gutav Puja Anandao	BSC.I	Gutav
16	chandashive Tejaswini Rohidas	BSC.I	chandashive
17	Sargar Sarika Namadev	BSC.I	Sargar
18	Patil Shivani Balu	BSC.I	Patil
19	Nikam Nehali Nandkumar	BSC.I	Nikam
20	Shinde kshitija vijay	BSC.I	Shinde
21	late Riya Ranjit	BSC.I	late Riya
22	karkate Shweta Shrikant	M.Sc II (chem)	karkate
23	Patane Projakta Sanjay	M.Sc II (chem)	Patane
24	Shirtode Snehal Mahesh	M.Sc II (chem)	Shirtode
25	Mare Komal pratap	M.Sc I (chem)	Mare
26	kadam Isha Ramesh	M.Sc I (chem)	kadam
27	Jadhav priyanka Mahadev	M.Sc I (chem)	Jadhav
28	Thorat Gayali Sunil	M.Sc I (chem)	Thorat
29	Hogale Aishwarya Sanjay	B.Sc.I	Hogale
30	Bhavake vidya Pratap	B.Sc I	Bhavake


Principal

Yashwantrao Chavan College of Science, Karad

Department of Botany

Science Seminar

Students Attendance



Guest Lecture -

29.12.2021

Sr. No.	Name of Students	Class	Signature
1	shaikh karina Rashid	B.Sc I	Bhaich
2	Biradar fatima Husen	B.Sc I	Biradar
3	Disale Sandhya pandurang	B.Sc I	Disale
4	Dharme shradha vasant	B.Sc I	Dharme
5	Sankpal Pradnya Ganapat	B.Sc I	P.G. Sankpal
6	Mane Shrutika Suresh	B.Sc I	Mane
7	Patwar premano Ganesh	B.Sc I	Patwar
8	Mali Asharani Satish	B.Sc I	Mali
9	Kadam Sujata Sanjay	B.Sc I	Kadam
10	Nalawade sayali Shankar	B.Sc I	Nalawade
11	Mane Bhakti Tanaji	B.Sc I	Mane
12	Desai Shivani Uttam	B.Sc I	Desai
13	Chavan Kajaal Hambirao	B.Sc I	Chavan
14	Patwar Vaishnavi Bafuso	B.Sc I	Patwar
15	Thorat Sakshi Sambhaji	B.Sc I	Thorat
16	Thorat Priti Pandurang	B.Sc I	Thorat
17	Thorat Snehal Bhaskar	B.Sc I	Thorat
18	Nikam Vedantika Mahesh	B.Sc I	Nikam
19	Jangam Anushri Dilip	B.Sc I	Jangam
20	Jagtap Ameeta Sanjay	B.Sc I	Jagtap
21	Mulla mohasina mohammad	B.Sc I	Mulla
22	Tejashree Ramkrushn Kadam	B.Sc I	Tejashree
23	Prachi Suresh Kadam	B.Sc I	Prachi
24	Thorat Durga Amarsingh	B.Sc I	Thorat
25	Thorat Sanjivani Santaji	B.Sc I	Thorat
26	Chavan Pradnya Rajendra	B.Sc I	Chavan
27	Jagtap Anusadha Ashok	B.Sc I	Anusadha


Principal

Yashwantrao Chavan College of Science, Karad
Department of Botany
Feedback form

Name of the Programme: Science.....seminar and.....scientific

Name of the Speaker - Dr. V. R. Salunke

Name of the Student: Kadam Sujata Sanjay

Class: BSc-I Roll No.



		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker		✓			
3	Speakers presentation's skill	✓				
4	Amount of new information you learned			✓		
5	Overall experience of the programme				✓	

Any other suggestions if any.....

Date: 29/12/2021

Sign. Kadam

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Yashwantrao Chavan College of Science, Karad

Yashwantrao Chavan College of Science, Karad
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Name of the Programme... Science Seminar and scientific

Name of the Speaker - ... Dr. V. R. Salunkhe

Name of the Student: ... Mali Asharani Satish

Class: ... B.S.C.I Roll No.....



		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program		✓			
2	Rate the materials/slides presented by speaker	✓				
3	Speakers presentation's skill			✓		
4	Amount of new information you learned	✓				
5	Overall experience of the programme				✓	

Any other suggestions if any.....

Date: 20/12/2021

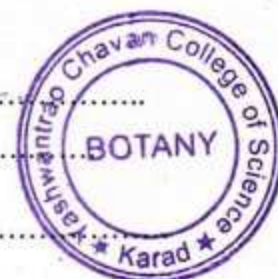
A handwritten signature in blue ink, appearing to be "Mali".

Sign. Mali

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Yashwantrao Chavan College of Science, Karad
Department of Botany
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Name of the Programme..... Science Seminar of Scientica.....
Name of the Speaker - Dr. V.R. Salunkhe.....
Name of the Student: Shaikh Kareena Rashid.....
Class: B.Sc. I..... Roll No.....



		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker		✓			
3	Speakers presentation's skill	✓				
4	Amount of new information you learned	✓				
5	Overall experience of the programme	✓				

Any other suggestions if any.....

Date: 29/12/21


Principal

Sign. (Shaikh)

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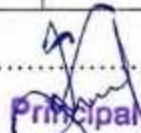


Name of the Programme... Science Seminar and scientific
Name of the Speaker - Dr. V. R. Salunkhe
Name of the Student: Pawar Vaishnavi Bapusa
Class: BSC - I Roll No.

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker		✓			
3	Speakers presentation's skill					
4	Amount of new information you learned	✓				
5	Overall experience of the programme			✓		

Any other suggestions if any.....

Date: 29/12/2021


Principal

Yashwantrao Chavan College of Science, Karad

Sign. 

Yashwantrao Chavan College of Science, Karad
Department of Botany
Feedback form



Name of the Programme..... Science Seminar and Scientific
Name of the Speaker - Dr. V. R. Salunke
Name of the Student:..... Nalawade Sayali Shantkar
Class:..... B.Sc. 1 Roll No.....

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker	✓				
3	Speakers presentation's skill	✓				
4	Amount of new information you learned	✓				
5	Overall experience of the programme	✓				

Any other suggestions if any.....

Date: 29/12/21


Principal
Yashwantrao Chavan College of Science, Karad

Sign.

Gayli

LINKAGE

Yashwantrao Chavan College of Science, Karad



&



Krishna Mahavidyalaya, Rethare Bk

Linkage is signed on 1st January 2022 between **Department of Botany, Yashwantrao Chavan College of Science, Karad** (First Party) and **Department of Botany, Krishna Mahavidyalaya, Rethare Bk** (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training, research to the students with jointly organizing conference/seminars and publishing research work in the form of research articles, books, book chapters etc. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.



- 2) Both parties agreed to do research with exchange of ideas and publish the work in reputed journals and publishers in the form of research articles, books, book chapters, editorials etc.
- 3) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 4) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 5) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 1st January 2022.


Party	First Party	Second Party
Institute	Yashwantrao Chavan College of Science, Karad	Krishna Mahavidyalaya, Rethare Bk
Signature		
Designation	Head, Department of Botany Yashwantrao Chavan College of Science, Karad	Head, Department of Botany Post Graduate Center of Botany Krishna Mahavidyalaya, Shivnagar, Rethare Bk
Signature		
Designation	Principal Yashwantrao Chavan College of Science Karad	Principal Krishna Mahavidyalaya, Rethare Bk. Tal. Karad : 415 108 (MS)
Seal		

Yashwantrao Chavan College of Science, Karad
Department of Botany
Linkage with
Krishna Mahavidyalaya, Rethare Bk

Collaborative research

1. **Pooja Mane, Chandrakant Salunkhe, Girish Potdar** 2022. Lectotypification of *Andropogon compressus* Hook.f. basionym of *Bothriochloa compressa* (Hook.f.) Henrard (Andropogoneae: Poaceae) **Int. J. Curr. Res. Biosci. Plant Biol.** 9(1), 42-44 (<https://doi.org/10.20546/ijcrbp.2022.901.005>) ISSN: 2349-8080 (Online).
2. **Pooja R. Mane** , J. Swamy, **C. B. Salunkhe**, T. J. Shaikh, **G. G. Potdar** 2022. *Datura discolor* (Solanaceae): An Addition to the Flora of Maharashtra, India **The Indian Forester** 148 (1) : 99-100. (<http://dx.doi.org/10.36808/if%2F2022%2Fv148i1%2F157037>) ISSN: 0019-4816
3. **P R Mane**, J Swamy, **C B Salunkhe**, **G G Potdar**. 2022. *Bothriochloa ischaemum* (poaceae: andropogoneae): An addition to the flora of eastern ghats, India **The Journal of Indian Botanical Society** 102 (2): 181-183.
4. Tarbej Shaikh, **Pooja Mane, Salunkhe Chandrakant and Potdar Girish** 2023. Two new distributional records of grasses for Maharashtra State. **Indian Forester**, 149 (9) : 976-979. (DOI: 10.36808/if/2023/v149i9/167313).




Principal,
Yashwantrao Chavan College
of Science, Karad.



Original Research Article

doi: <https://doi.org/10.20546/ijcrbp.2022.901.005>

Lectotypification of *Andropogon compressus* Hook.f. basionym of *Bothriochloa compressa* (Hook.f.) Henrard (Andropogoneae: Poaceae)

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Article Info

Abstract

Keywords:

Bothriochloa
India
Lectotype
Poaceae

The lectotype is designated for the name *Andropogon compressus* Hook.f.

• Received: 19 November 2021 • Revised: 14 December 2021 • Accepted: 21 December 2021 • Published Online: 6 January 2022

Introduction

The genus *Bothriochloa* Kuntze (762: 1891) (Andropogoneae: Poaceae) is widely distributed throughout the world and represented by 38 species (POWO, 2021). In India, the genus is represented by 13 species, of which six species are endemic (Prasanna et al., 2020; Kellogg et al., 2020). While revising the genus *Bothriochloa* Kuntze for India, we found that the name *Andropogon compressus* Hook.f. (1897: 172) basionym of *Bothriochloa compressa* (Hook.f.) Henrard (1940:456) not been typified so far.

Typification

***Bothriochloa compressa* (Hook.f.) Henrard (1940: 456)**
= *Andropogon compressus* Hook.f. (1897: 172).

Type

INDIA, Deccan, December 1891, *Lisboa* No. 6 (K001057429 image! Lectotype designated here).

Notes

J.D. Hooker (1897) described *Andropogon compressus* based on Mrs. Lisboa's collection No. 6 (*A. odoratus*) and Woodrow's collections. In the protologue he cited "The Deccan, Lisboa (No. 6 *A. odoratus*), Woodrow".

While describing the species J.D. Hooker mentioned in the protologue "sent by Mrs. Lisboa as *A. odoratus*, but apparently very different from the description of that plant and from the specimens received in the strongly compressed and acutely keeled sheaths, broad leaves, and inflorescence".



Fig. 1: Lectotype of *Bothriochloa compressa* (K001057429). Available at <http://specimens.kew.org/herbarium/K001057429>. © Copyright Board of Trustees of the Royal Botanic Gardens, Kew.

From taxonomic literature (Stafleu and Cowan, 1981) we came to know J.C. Lisboa's major collection are housed at BLATT, DD, and K. Likewise, G.M. Woodrow's collection are housed at (BSI, DBN, DS, E, and K)

We could trace one collection of each collector at K (Woodrow collection at 1880 K000245659 image!), and Mrs. Lisboa's collection at 1891 K001057429 image!).

Both the specimens are well agreeing to the protologue of *Andropogon compressus* Hook.f. Apart from these two collections we could not find any other collection in any herbaria.

Since, Mrs. Lisboa's specimen is a complete specimen along with roots, strongly keeled and compressed sheath, broad leaves, and inflorescence and the herbarium specimen also bears illustrations of sessile and pedicelled spikelets with its description. Therefore, we are designating here as lectotype following the ICN Art. 9.3 (Turland et al., 2018).

Conflict of interest statement

Authors declare that they have no conflict of interest.

Acknowledgement

This study has been financially supported by Chhatrapati Shahu Maharaj Research, Training and Human Development Institute (SARTHI), Pune (CIN-U74999PN2018NPL177394). The authors are thankful to the authorities at BSA, BSJO, CAL and MH herbaria to consult the specimens in person, and herbaria A, E, K, and NY for making the specimens available online. We also thank the authorities of Krishna Mahavidyalaya, Rethare Bk and Principal of

Yashwantrao Chavan College of Science, Karad for providing the research facilities and workplace. We are also thankful to Dr. Gopal Krishna, Botanical Survey of India, Kolkata for his valuable guidance.

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How to cite this article:

Mane, P., Salunkhe, C., Potdar, G., 2022. Lectotypification of *Andropogon compressus* Hook.f. basionym of *Bothriochloa compressa* (Hook.f.) Henrard (Andropogoneae: Poaceae). *Int. J. Curr. Res. Biosci. Plant Biol.*, 9(1): 42-44. doi: <https://doi.org/10.20546/ijcrbp.2022.901.005>

(II) *Datura discolor* (Solanaceae): An addition to the flora of Maharashtra, India

The genus *Datura* L. is represented by 14 species and native to south-west and south central of the USA, northern Mexico and Caribbean Islands (POWO, widely naturalized many parts of the world. In India, it is represented by 6 species (Swamy *et al.*, 2020). While revising the genus *Bothriochloa*, the first author collected an interesting *Datura* species in flower and fruit, which was later identified as *Datura discolor* Bernh. Scrutiny of literature revealed that this species reported from Andhra Pradesh (Swamy *et al.*, 2020) and Karnataka (Kumbhalkar and Nandikar, 2017). It has not been recorded in the flora of Maharashtra (Cooke, 1905; Singh *et al.*, 2001; Gaikwad and Garad, 2015) the present collection forms the first report of the species in the state and third from the Indian states after Andhra Pradesh and Karnataka. A detailed description with photo plate Plate 1 A and B provided to facilitate easy identification.

Taxonomic treatment

Datura discolor Bernh. in Neues J. Pharm. Aertzte 26: 149. 1833; Kumbhalkar and Nandikar in *Curr. Sci.*, 113(5): 855-856. 2017; Swamy *et al.* in *Nelumbo* 62(1): 54-56.2020. *Datura thomasi* Torr. in *Pacif. Railr. Rep. Parke, Bot.* 5: 362. 1857. (Fig. 1).

Annual herb with spreading branches up to 1 m high; stem greenish-purple, terete, dense pubescent on younger parts, sparsely pubescent or glabrous on older parts. Leaves simple, alternate, sub-opposite at apex; petiole 1-3 cm long, lamina deltoid to apparently pedate, 2-7 × 5-9 cm, oblique-unequal at base, sinuate to dentate along margin, acuminate at apex, glabrescent above, densely pubescent beneath especially on nerves, rectipinnate, lateral nerves 4-5 per side. Flowers solitary, white, from the fork of branches; pedicel 1-1.5 cm long. Calyx tubular, tube 5-10 cm long, sparsely pubescent, angular fluted, 5-lobed; lobes 1-1.5 cm long, unequal, triangular, acuminate at apex. Corolla funnel shaped 11-16 cm long, white with streaks of lilac to purple throat. Stamens 5, epipetalous, included; filaments 5.5-8.5 cm long; anthers 0.4-0.7 cm long. Ovary 0.2-0.5 cm long; style 8.6-13.8 cm long with persistent calyx, greyish densely glandular pubescent, sparsely aculci-echinate spines; spines 60-80 up to 1.3 cm long, dense glandular pubescent, dehisced from top into 4 valves. Seeds ca. 0.26 × 0.3 cm, reniform with hilar residue, black, bullate-verucose.



Fig. 1: A. Flowering branch B. Capsule

Flowering and fruiting: Almost major parts of the year.

Distribution: Andhra Pradesh and Karnataka (Swamy *et al.*, 2020) and now from Maharashtra.

Habitat: Occasional in waste lands, along the road sides and in sugarcane fields; associated with *Alternanthera sessilis* (L.) R.Br. ex DC., *Hyptis suaveolens* (L.) Poit., *Senna tora* (L.) Roxb., and *Setaria verticillata* (L.) P.Beauv.

Specimens examined: India, Maharashtra, Satara District, Karad, Wathar, 17.185228° N, 74.182735° E, 566 m.s.l., 06.11.2020, Pooja R Mane 3894 (KMR)

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Received April, 2021
Accepted December, 2021

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RESEARCH ARTICLE

***Bothriochloa ischaemum* (poaceae: andropogoneae): An addition to the flora of eastern ghats, India**

P. R. Mane^{1,3}, J. Swamy², C. B. Salunkhe¹ and G. G. Potdar³

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Abstract *Bothriochloa ischaemum* (L.) Keng is reported here as an addition to the flora of Eastern Ghats from Kinnerasani Wildlife Sanctuary of Telangana. A detailed description and a figure is provided to facilitate easy identification.

Keywords: *Bothriochloa*, Eastern Ghats, Kinnerasani Wildlife Sanctuary, Poaceae, Telangana.

Introduction

The genus *Bothriochloa* Kuntze belonging to the tribe Andropogoneae of the family Poaceae Barnhart is widely distributed throughout the world, and represented by 38 species (POWO 2021). The genus is represented in India by 13 species, of which six species, viz. *Bothriochloa compressa* (Hook.f.) Henrard, *B. ensiformis* (Hook.f.) Henrard, *B. grahamii* (Haines) Bor, *B. jainii* Deshp. & Hemadri, *B. longifolia* (Hack.) Bor and *Bothriochloa woodrovii* (Hook.f.) A. Camus are endemic (Prasanna *et al.* 2020, Kellogg *et al.* 2020).

While revising the genus *Bothriochloa* for India, a small population of *Bothriochloa* species was observed in the Eastern Ghats of Telangana, and a few specimens collected from the existing population by the second author. The voucher specimens were studied critically and identified as *Bothriochloa ischaemum* (L.) Keng. The identification is further confirmed by matching the

specimens at CAL and BSJO and also with electronic images of herbarium specimens at Kew Herbarium Catalogue (<http://www.apps.kew.org>). In India, the species is known so far from Bihar, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Meghalaya, Punjab, Rajasthan, Uttarakhand and West Bengal (Prasanna *et al.* 2020, Kellogg *et al.* 2020). It is not reported from the Eastern Ghats (Pullaiah and Karuppusamy, 2020). Hence, the present collection forms the first report of this species in the Eastern Ghats. A detailed description and a photoplate are provided to facilitate easy identification. Voucher specimens are deposited in the Botanical Survey of India, Deccan Regional Centre (BSID), Hyderabad, Telangana.

Taxonomic treatment

***Bothriochloa ischaemum* (L.) Keng** in Contr. Biol. Lab. Sci. Soc. China, Bot. Ser. 10: 201. 1936. *Andropogon ischaemum* L., Sp. Pl. 2: 1047. 1753. *Dichanthium ischaemum* (L.) Roberty, Biossiera 9:160. 1960 (Fig.1).

Perennial. Culms tufted, erect or geniculately ascending, terete, up to 80 cm high; nodes glabrous or sparsely bearded; internodes 2.5 – 9 × 0.2 – 0.3 cm, glabrous. Leaves mainly aggregated at base; leaf blade 3 – 22 × 0.2 – 0.4 cm, narrowly linear, glaucous, flat, hairy at base, scabrid along margins, acute-acuminate at apex, scaberulous on surface; ligule *c.* 1.41 × 1.03 mm,

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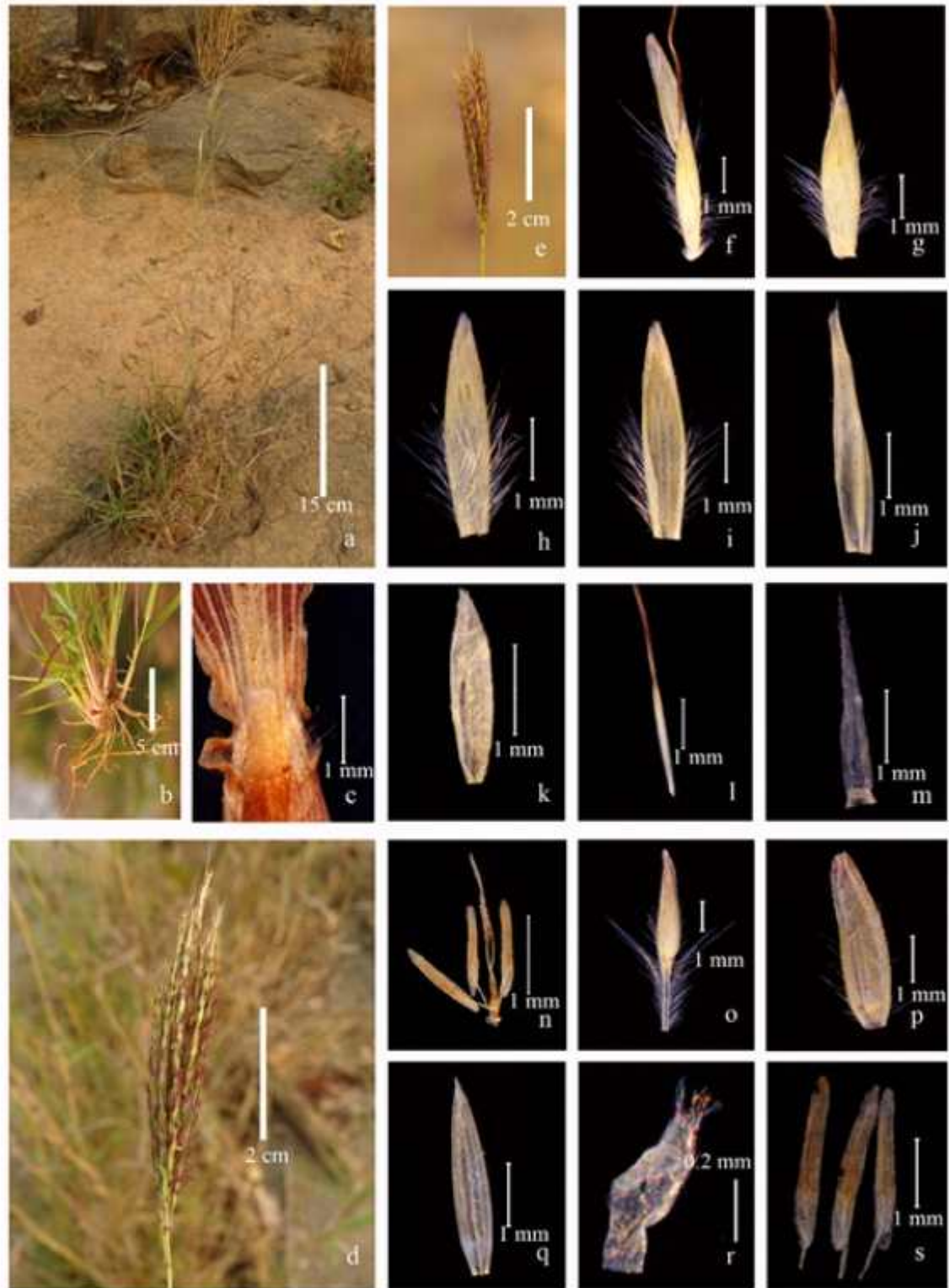


Figure 1: *Botriochloa ischaemum* (L.) Keng (a-s): **a.** Habit; **b.** Culms with roots; **c.** Ligule; **d-e.** Inflorescence; **f.** Paired spikelets. Sessile spikelet: **g.** Sessile spikelet; **h-i.** Lower glume; **j-k.** Upper glume; **i.** Upper lemma; **m.** Lower lemma; **n.** Pistil and stamens. Pedicelled spikelet: **o.** Pedicelled spikelet; **p.** Lower glume; **q.** Upper glume; **r.** Lemma; **s.** Stamens.

ciliolate membrane; leaf sheath 2.5 – 6 × 0.2 – 0.4 cm, keeled at apex when young, glabrous. Inflorescence composed of racemes; racemes 5 to 15, dense, digitate, 4 – 6 cm long, lower raceme longer than the main rachis; rachis flattened, villous on margins; oil glands at the junction of raceme and rachis; joints 2.5 – 3.0 mm long, hairy on both sides with a translucent median line. Spikelets in pairs; callus shortly bearded. Sessile spikelets fertile, pedicelled spikelet with male floret only. Sessile spikelets 3.75 – 4.14 × 0.7 – 0.8 mm, lanceolate, obtuse at base, acute at apex, dorsally compressed, awned. Glumes dissimilar, exceeding the apex of florets. Lower glume 3.81 – 4.0 × 0.75 – 0.80 mm, elliptic-oblong, chartaceous, rounded to truncate at base, margins inflexed, acute at apex, flat on surface, 5 – 7-nerved, more or less appressed hairy below the middle, keeled at apex, keels rigidly ciliate, not pitted. Upper glume 3.87 – 4.2 × 0.41 – 0.87 mm, membranous, somewhat laterally compressed, lanceolate, margin inflexed and long ciliate, mucronate at apex, 3-nerved, keeled, keel ciliate at apex. Lower floret sterile; lower lemma 2.87 – 3.2 × 0.3 – 0.4 mm, oblong-lanceolate, acute-acuminate at apex, hyaline, nerveless; lower palea absent. Upper floret bisexual; upper lemma 2.17 – 2.31 × 0.4 – 0.58 mm, hyaline to a base of geniculate awn, linear, 1-nerved, awned; awn geniculate, 10 – 15 mm long; column twisted; palea absent. Lodicules 2, papery, *c.* 0.2 mm long. Stamens 3; filaments 0.22 – 0.38 mm long; anthers 1.21 – 1.23 × *c.* 0.16 mm, linear, yellow. Ovary 0.31 – 0.4 × 0.15 – 0.21 mm, elliptic; styles 1.07 × 0.61 mm, filiform; stigmas 3, 1.19 – 2.40 long, brownish. Pedicelled spikelet 4.08 – 4.30 × 0.62 – 0.77 mm, narrowly ovate-lanceolate; pedicel 2.38 – 2.74 × 0.21 – 0.25 mm, hairy on both sides with a translucent median line in the middle. Lower glume 4.04 – 4.20 × 0.60 – 0.76 mm, narrowly elliptic-lanceolate, margin inflexed and ciliate, acute at apex, keeled, keels ciliate, glabrous, 7 – 9-nerved. Upper glume 3.31 – 3.50 × 0.6 – 0.8 mm, narrowly ovate, margins inflexed, ciliate, acute at apex, 5 – 7-nerved, glabrous. Lower floret male. Lower lemma 0.76 × 0.22 mm, linear, obtuse at apex, ciliate. Palea absent. Stamens 3, filaments 0.20 – 0.40 mm long; anthers 1.20 – 1.34 × 0.19 mm, yellow.

Flowering & Fruiting: September – January.

Distribution: India: Bihar, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Meghalaya,

Punjab, Rajasthan, Telangana, Uttarakhand and West Bengal (modified after Prasanna *et al.*, 2020; Kellogg *et al.* 2020).

World: Europe, Africa, Asia and America

Specimen examined: India, Telangana, Bhadrachal-Kothagudem district, Kinnerasani Wildlife Sanctuary, Allapally Range, Mylaram beat, 23.01.2021, *J. Swamy* 11842 (BSID!).

Additional Specimens studied: Himachal Pradesh: Shimla district, Bashahr, 31.08.1890, *J. H. Lacey*, 593 (CAL!). Jammu and Kashmir: Anantnag district, Pahalgam, June 1905, *A. Meebold* 1612 (CAL!); *s. loc.*, *s. d.*, *Dr. T. A. Rao*, 767 (CAL!); Baramulla district, Panzalla, 26.01.1914, *s. coll.*, 36050 (CAL!); *s. loc.*, *s. d.*, *s. coll.*, 9831 (CAL!); Kashmir, *s. loc.*, September 1975, *s. coll.* 5500 (CAL!); *s. loc.*, *s. d.*, *s. coll.*, 9831 (CAL!). Leh district, Upshi, 8.9.1970, *U. C. Bhattacharya*, 41074 (CAL!). Rajasthan: Mount Abu, Sirohi district, Aranya, Shanti Shikar, 28.10.1960, *P. C. Nanda*, 2147(a) (CAL!).

Acknowledgement

Authors are thankful to the Director, Botanical Survey of India (BSI), Kolkata and Scientist In-charge of BSI, Deccan Regional Centre for facilities and to the officials of Kinnerasani Wildlife Sanctuary, Telangana State Forest Department for permission and logistic support.

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(III)

Two new distributional records of grasses for Maharashtra State

During the field exploration in Maharashtra state, specimens of genus *Bothriochloa* and *Setaria* were collected. On detailed and critical morphological observations, consultation of protologue, perusal of previous floristic reports of Maharashtra and relevant literature (Bor, 1960; Blatter and McCann, 1935; Cook, 1908; Deshpande 1984; Deshpande *et al.*, 1993; Gaikwad *et al.*, 2014; Hooker, 1897; Lakshminarasimhan, 1996; Potdar *et al.*, 2012) authors have confirmed that *B. ischaemum* and *S. barbata* has so far not reported from Maharashtra State. Therefore, *Bothriochloa ischaemum* and *Setaria barbata* reported here as a new distributional record and addition to the Grasses of Maharashtra.

Systematic treatment

Bothriochloa ischaemum (L.) Keng, Contr. Biol. Lab. Sci. Soc. China, Bot. Ser. 10: 201. 1936; Cope, Fl. Pak. 143: 287. 1982; Bor, Grasses. Burma Ceyl. Ind. Pak. 108. 1960. *Andropogon ischaemum* L. Sp. Pl. 1047. 1753; Hook.f., Fl. Brit. India. 7: 171. 1897. *Amphilophis ischaemum* (L.) Nash in N. Amer. Fl. 17: 124. 1912. *Dichanthium ischaemum* (L.) Roberly in Boissiera 9: 160. 1960; Deshpande in Fasc. Fl. India 15: 16. 1984. **Yellow Bluestem** (Fig. 1).

Tufted Perennial; caespitose. Culm 45-90 (-120) cm long; erect or geniculate ascending; nodes hairy. Leaf Sheath keeled, glabrous, 4 – 6 cm long, ligule ca. 1 mm long, ciliolate membrane, truncate. Leaves mostly basal; blades 28 cm × 0.5 cm, glaucous, pubescent to scaberulous, margins minutely serrate, hairy at base, apex acuminate. Inflorescence of subdigitate racemes; 2 – 7 (-9) in number, 5 – 8 cm long, shortly pedunculate, the peduncles 4 – 8 mm, joint 2 – 2.2 mm long, grooved with translucent median line. Sessile spikelet 3.0 – 3.5 × 1 – 1.2 mm, oblong-lanceolate, dorsally compressed, awned; callus obtuse. Lower glume 3.0 – 3.5 × 1 – 1.2 mm, flat, without pit, hairy below the middle, oblong-lanceolate, keeled and acute at apex, coriaceous, (5-) 7 – 9-nerved. Upper glume 3.0 – 3.5 × 0.8 – 1 mm, linear-lanceolate, boat shaped, keeled and acute at apex, subcoriaceous, 3-nerved, glabrous. Florets 2, epaleate, lower empty, upper bisexual. Lower lemma 2 – 2.5 × 0.5 – 0.8 mm, linear-oblong, acute at apex. Upper lemma 1.8 – 2 × 0.15 – 0.2 mm, linear, tipped by stout awn, hyaline in lower third, chartaceous; awn 18 – 22 mm

long, geniculate. Lodicules 2, ca. 0.3 × 0.2 mm. Stamen 3, anthers ca. 1 – 1.5 mm long. Pistil 0.5 × 2 mm long. Pedicel 2.2 – 2.5 mm long, grooved with translucent median line. Pedicelled spikelet 3.5 – 4.0 × 1 – 1.2 mm, lanceolate or elliptic to lanceolate, without pit, acute at apex, callus glabrous. Lower glume 3.5 – 4.0 × 1 – 1.2 mm, lanceolate, coriaceous, margins infolded, spinulose, glabrous dorsally, ca. 15 – 17-nerved, acute at apex. Upper glume 2.5 – 2.8 × 0.8 – 1 mm, lanceolate, membranous, 3-nerved, subcoriaceous, acute at apex. Florets 2, both epaleate, lower empty, upper staminate or barren. Lower lemma 1.5 – 1.8 × 0.5 – 0.6 mm, oblong-lanceolate, margins entire, hyaline, dentate at apex, nerveless, 2-keeled. Upper lemma absent. Lodicules 2, ca 0.15 × 0.1 mm, obovate. Stamen 3; mostly barren, anthers ca. 0.5 mm long.

Distribution: INDIA: Gujarat, Jammu and Kashmir, Manipur, Punjab, Rajasthan, Uttar Pradesh, Madhya Pradesh, Rajasthan, Maharashtra.

Habitat: Sajjangad (Thoseghar Road) is part of Deccan trap of Indian Peninsula, located middle of the western ghat, about 20 km west to Satara, underlying by Deccan trap basaltic lava flow of Upper cretaceous and Eocene age (Suryawanshi *et al.*, 2016). An average 850 mm rainfall and above 75% humidity were recorded in the rainy season. Collection locality mainly comprises medium black type of soil.

Associated Species: *Apluda mutica* L., *Capillipedium filiculme* (Hook.f.) Stapf, *Chloris virgata* Sw., *Grona triflora* (L.) H. Ohashi and K. Ohashi, *Heteropogon triticeus* (R.Br.) Stapf ex Craib, *Ischaemum rugosum* Salisb., *Tephrosia purpurea* (L.) Pers., *Thelepogon elegans* Roth etc.

Specimen Examined: INDIA: Maharashtra: Satara district, Sajjangad (17°38'31.5" N 73° 54'06.7"E), 907 m. 27th September 2020, Shaikh Tarbej YCCSK-2103 (SUK!).

Setaria barbata (Lam.) Kunth, Rev. Gram. 1: 47. 1829; Bor, Grasses. Burma Ceyl. Ind. Pak. 360. 1960; Nair *et al.*, in J. Econ. Taxon. Bot. 3: 271. 1982; Sreek. and Nair, Fl. Kerala Grass. 303. 1991. *Panicum barbatum* Lam, Tab. Encycl. Meth. Bot. 1: 171. 1791. *P. flavescens* auct. Non Sw. 1788; Hook.f., Fl. Brit. India. 7: 56. 1897. East Indian bristle grass (Fig. 2)

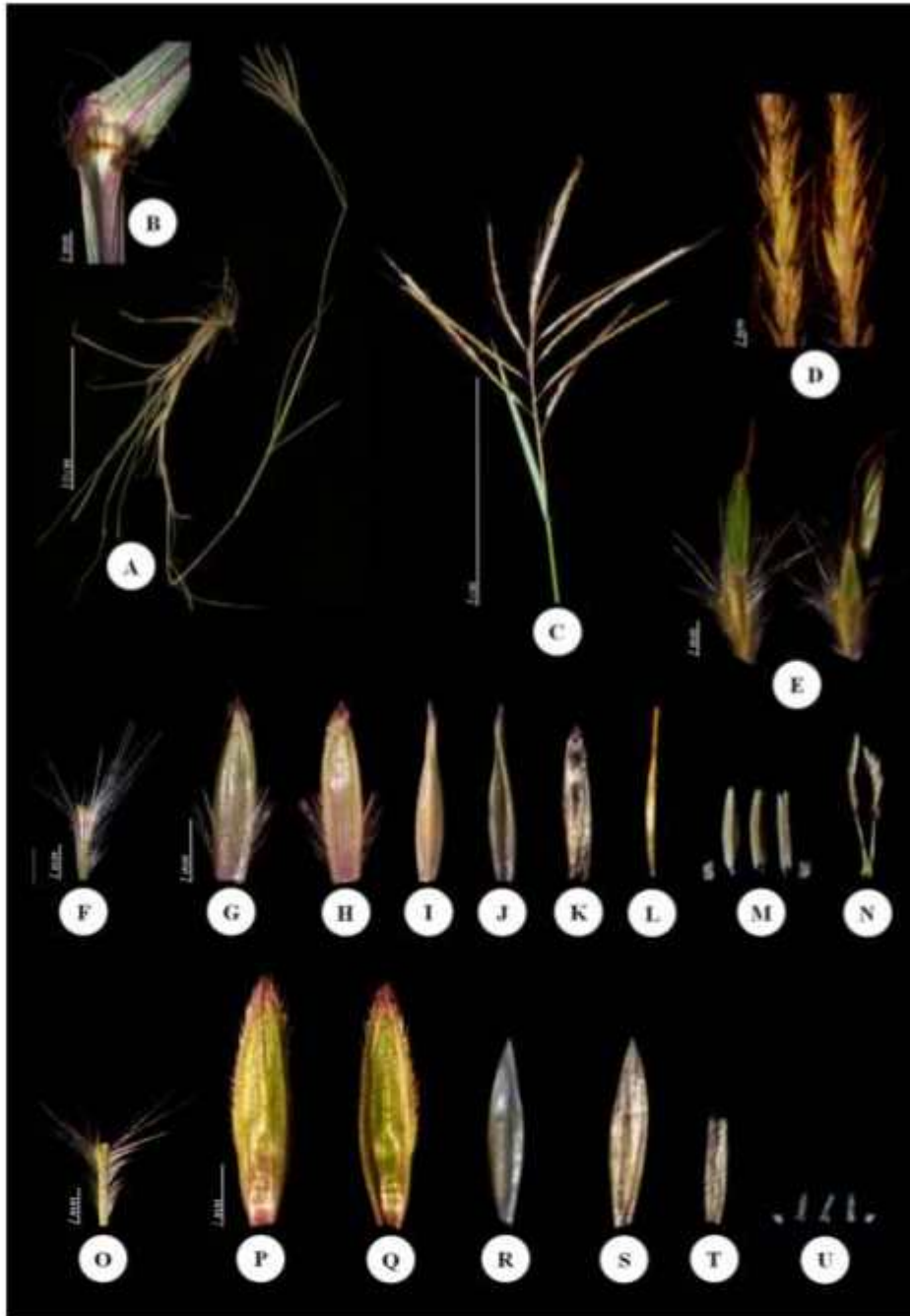


Fig. 1: *Botriochloa ischaemum* (L.) Kong, **A.** Habit; **B.** Ligule; **C.** Inflorescence; **D.** Portion of raceme; **E.** Sessile and Pedicelled Spikelets; **F–N.** Sessile Spikelets: **F.** Joint; **G.** Lower glume ab.; **H.** Lower glume ad.; **I.** Upper glume ab.; **J.** Upper glume ad.; **K.** Lower lemma; **L.** Upper lemma; **M.** Stamen and lodicules; **N.** Ovary; **O–U.** Pedicelled spikelet: **O.** Pedicel; **P.** Lower glume ab.; **Q.** Lower glume ad.; **R.** Upper glume ab.; **S.** Upper glume ad.; **T.** Lower lemma; **U.** Stamen and lodicules. [Photos credit: Shaikh Tarbej]

Caespitose annual. Culm 15 – 80(-150) cm long; nodes sparsely bearded. Leaf Sheath keeled, sparsely tubercle-based hairy, 4 – 6 cm long. Ligule ca. 1 mm long, fringe of hairs, truncate. Leaves elliptic to lanceolate; 30 cm long 2.5 cm wide, flat, keeled below,

pubescent to scaberulous, margins minutely serrate, apex acuminate. Inflorescence of narrow panicle, 4 – 18 cm long, lax; branches pubescent, or pilose. Spikelets elliptic to elliptic-lanceolate 1.5 – 3 × 0.5 – 1.5 mm long, subtended by an involucre of 1–10 mm long bristle.

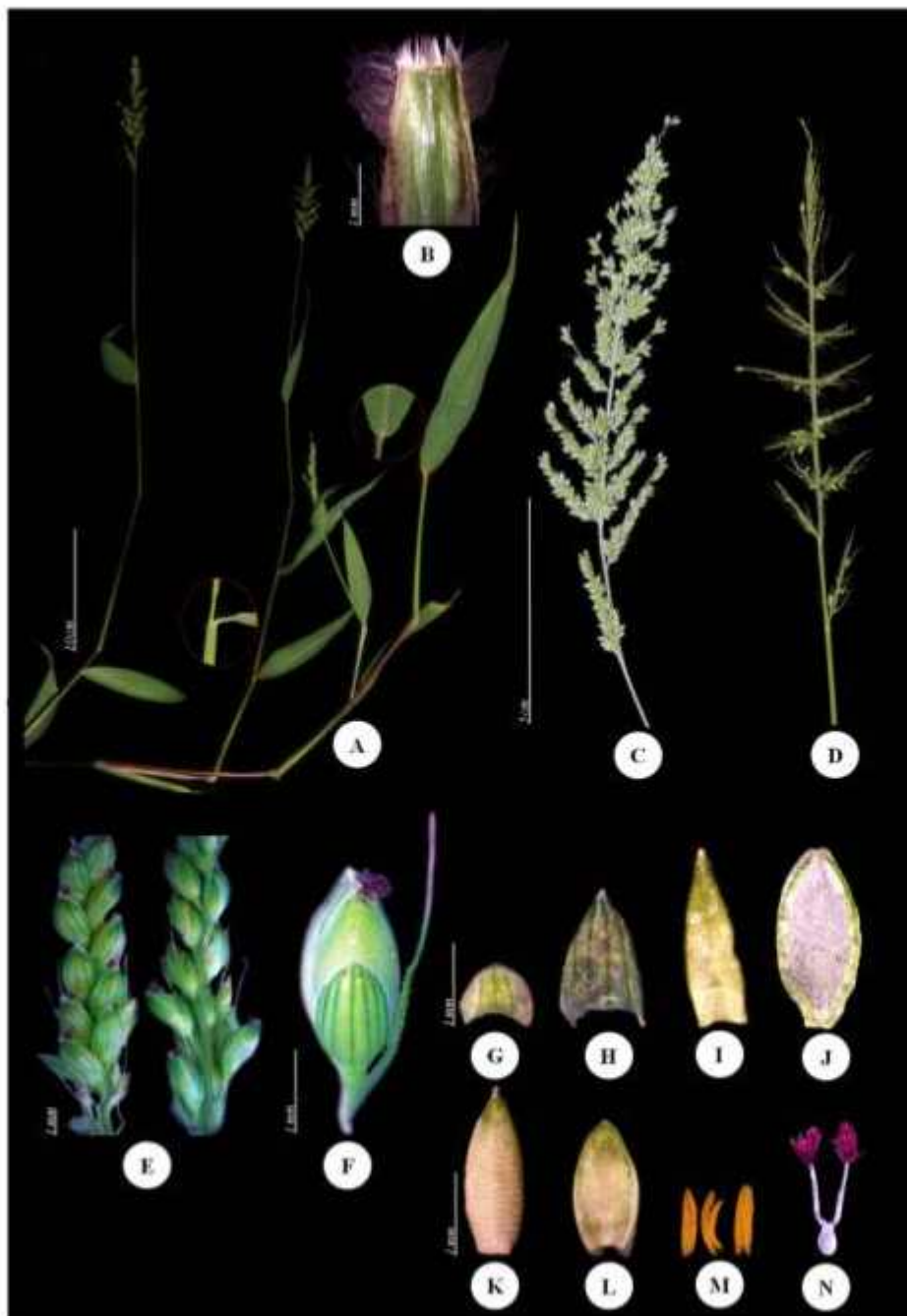


Fig. 2: *Setaria barbata* (Lam.) Kunth, A. Habit; B. Legule; C. Mature Inflorescence; D. Dried Inflorescence; E. Portion of racemo; F. Spikelet; G. Lower glume; H. Upper glume; I. Lower lemma; J. Palea of lower lemma; K. Upper lemma; L. Palea of upper lemma; M. Stamen; N. ovary. [Photos credit: Shaikh Tarbej]

Lower glume 0.5 – 1 × 0.5 – 1 mm, glabrous, not keeled, obtuse or slightly acute at apex, chartaceous, 3-nerved. Upper glume 1.5 – 2 × 1 – 1.25 mm, ovate-oblong, boat shaped, margins entire, acute at apex, chartaceous, 7-nerved, glabrous. Florets 2, lower male, upper bisexual. Lower lemma 1.5 – 2 × 0.5 – 1.5 mm, elliptic to elliptic-lanceolate, chartaceous, margins entire, acute at apex,

5–7-nerved. Palea 2 – 3 × 0.5 – 1 mm, elliptic, 2-keeled, 2-nerved. Stamens 3, anthers ca. 0.5 – 1 mm long. Upper lemma 2 – 3 × 1 – 1.5 mm, elliptic to elliptic-lanceolate, acute to shortly acuminate, crustaceous, rugose, 2-keeled. Palea 2 – 2.5 × 0.5 – 1 mm, crustaceous, rugose, 2-keeled, 0–2-nerved. Stamen 3, anthers ca. 0.5 – 1 mm long, linear-oblong. Pistil 0.5 × 1.5 mm long.

Distribution: INDIA: Andaman and Nicobar Islands, Assam, Bihar, Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Meghalaya, Rajasthan, Tamil Nadu, West Bengal, Maharashtra.

Habitat: Karve (Karad-Tasgaon Road) is part of Hard rock (Deccan Trap Basalt) of Indian Peninsula, located in the middle of the western ghat, about 10 km southeast to Karad. An average 760 mm rainfall and above 70% humidity were recorded in the rainy season. Collection locality mainly comprises deep black type of soil.

Associated Species: *Chloris virgata* Sw., *Bothriochloa pertusa* (L.) A. Camus, *Celosia argentea* L., *Dichanthium annulatum* (Forssk.) Stapf, *Dichanthium caricosum* (L.) A. Camus, *Tridax procumbens* L. etc.

Specimen Examined: INDIA: Maharashtra: Satara district, Karad-Tasegaon Road, Karve (17°15'55.7"N 74°11'59.9"E), 573m. 15th November 2021, Potdar Girish YCCSK-2218 (SUK!).

Note: Good fodder grass, rare along the stream bank, water channels, grown mostly in shady places.

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Received April, 2022
Accepted July, 2023

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LINKAGE

Yashwantrao Chavan College of Science, Karad



&



Krishna Mahavidyalaya, Rethare Bk

Linkage is signed on 1st January 2022 between **Department of Botany, Yashwantrao Chavan College of Science, Karad** (First Party) and **Department of Botany, Krishna Mahavidyalaya, Rethare Bk** (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training, research to the students with jointly organizing conference/seminars and publishing research work in the form of research articles, books, book chapters etc. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.



- 2) Both parties agreed to do research with exchange of ideas and publish the work in reputed journals and publishers in the form of research articles, books, book chapters, editorials etc.
- 3) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 4) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 5) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 1st January 2022.

Party	First Party	Second Party
Institute	Yashwantrao Chavan College of Science, Karad	Krishna Mahavidyalaya, Rethare Bk
Signature		
Designation	Head, Department of Botany Yashwantrao Chavan College of Science, Karad	Head, Department of Botany Post Graduate Center of Botany Krishna Mahavidyalaya, Shivnagar, Rethare Bk
Signature		
Designation	Principal Yashwantrao Chavan College of Science Karad	Principal Krishna Mahavidyalaya, Rethare Bk. Tal. Karad : 415 108 (MS)
Seal		

Estd. 1958



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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref. No.

Date: 10/01/2022

Umbrella Memorandum of Understanding

Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA

And

INSTA VISION LABORATORIES AND SERVICES, SATARA, DIST- SATARA

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B.Sc.- Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
8. Any other areas of co-operation as agreed to by the Parties from time to time.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.

II. Obligations of the Parties

To implement the MOU the parties commit themselves to provide necessary conditions:

- 2.1. Both sides will maintain ongoing communication and circulate essential information in a timely manner.
- 2.2. Both parties agree that all financial agreements necessary to implement this MOU must be negotiated and will depend upon the availability of funds. Neither institution shall have any financial obligation to the other institution based on this Agreement.
- 2.3. Realization of separate concrete research projects within the frames of the MOU will be stipulated in separate, Specific Agreements.

III. Term and Order of Action

3.1 This MOU will become effective upon the date of signature by the representatives of the institutions and, if applicable, approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MOU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MOU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.

4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyannagar Karad-415124	INSTA VISION LABORATORIES AND SERVICES , 89, Raviwar Peth, Near Venutai B Ed College, Satara, 415001. Dist- Satara, Maharashtra, India

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st

.....

Authority Name: **Dr. S. B. Kengar**

Seal of the Institute:



Party 2nd

.....

Authority Name: **Mr. Ajit Ekal**

Seal of the Institute:



Yashwantrao Chavan College of Science, Karad

Programme under MOU - Activity Report

Name of Department: **Chemistry**

Date of activity: **18/05/2022**

Name of the capability enhancement scheme : **Lecture Under MOU**

Name of the topic: **"Opportunities in Pharmaceutical after PG"**

Purpose :

Drug Discovery and Development: Contribute to the creation of new medications by applying your advanced knowledge of chemistry to the drug discovery and development process.

Formulation and Quality Control: Play a crucial role in ensuring the quality and safety of pharmaceutical products through involvement in formulation design and rigorous quality control procedures.

Research and Innovation: Engage in cutting-edge research to address healthcare challenges, explore novel therapeutic approaches, and contribute to advancements in pharmaceutical science.

Analytical Chemistry: Utilize your expertise in analytical techniques to assess the composition and purity of pharmaceutical products, ensuring they meet stringent quality standards.

No. of beneficiaries :

107

Class involved :

M.Sc. I & II

Teachers/ Guest involved in the activity

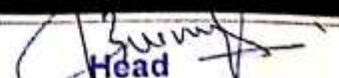
Dr. Ajit Ekal Prof. Dr. S. H. Burungale
Dr. B. E. Mahadik Dr. U. P. Lad
Mr. S. D. Karande




Principal

Yashwantrao Chavan College
of Science, Karad




Head
Department of Chemistry
Yashwantrao Chavan College of
Science, Karad

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LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad**

&



**Department of Chemistry,
Dr. Daulatrao Aher College of Engineering, Karad.**

Linkage is signed on 10th January 2022 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party)** and **Department of Chemistry, Dr. Daulatrao Aher College of Engineering, Karad (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness where of, the parties here have set this hands on the 10th January 2022.

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Department of Chemistry, Dr. Daulatrao Aher College of Engineering, Karad
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Prof. V. B. Suryawanshi Head, Department of Chemistry
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Dr. A. M. Mulla Principal
Seal		

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LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad
&**



**Sahyadri Sahakari Sakhar Karkhana Ltd.,
Yashwantnagar, Tal- Karad.**

Linkage is signed on 12th January 2022 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad** (First Party) and **Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Tal- Karad.** (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
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- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 12th January 2022

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Tal- Karad.
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Shri Pradip Ramchandra Yadav General Manager
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Shri Aabasaheb Jotiram Patil Managing Director
Seal		



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UDISE Code - 27310207715

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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

RefNo. : Biochem/ /2021-22

Date: 06/06/2022

To,

**The Managing Director,
Sahyadri Sahakari Sakhar Karkhana Ltd.,
Yashwantnagar, Karad.**

Subject: - Educational visit of B.Sc. Part - II Biochemistry students.

Sir,

As a part of educational tour a group of B.Sc. Part II Biochemistry students twenty three (23) from this college accompanied by their teachers (2) wish to visit your industry on **Thursday, 10th June.,2022**

I request you to kindly grant them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,



Teacher incharge



Principal,
Yashwantrao Chavan College
of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

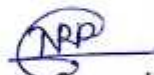
B.Sc.II –Study Tour

Date- 06/06/2022

The students of B.Sc. II (Biochemistry) are here by informed that one day's study tour is arranged to Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar, on 10/06/2022.

All should come with Identity card, note book & pen. Study tour is Compulsory as per university syllabus.

All concerned should note follows.



Course Co-ordinator,

Department of Biochemistry



Yashwantrao Chavan College of Science, Karad
Department Of Chemistry

STUDY TOUR PROGRAMME

Year 2021 -2122

LAB/F-17

CLASS: B.sc. II

TOTAL NUMBER OF STUDENTS: 21

DATE OF STUDY TOUR: 10/06/2022

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPAINING: Mr.S.H. Burugale

Miss Panwal N.R.

DATES & TIME OF DEPARTURE FROM KARAD: 10/06/2019 Time- 10 am

DATES & PLACES OF VISIT :

1. Arrival to Sahayadri Sakhar Kharkhana
2. Visit to distillary
3. Visit to ETP

DATE & TIME OF ARIVAL AT KARAD:-10/06/2019 Time-6 pm


Teacher in- Charge


Head
Dept of Chemistry
Head
Department of Chemistry
Yashwantrao Chavan College of
Science, Karad


Chairmn
Tour committee



Department of Chemistry and Biochemistry

B.Sc. II Study tour 2021-2022

Sr no	Roll No	Name of student	Student sign
1	2406	BADEKAR SHUBHAM PRASHANT	<i>Shubham</i>
2	2407	CHAUGHULE ARIYAN RAJKUMAR	<i>AR</i>
3	2408	DHEB RUPALI NATHURAM	<i>DRN</i>
4	2409	GURAV VISHWAMBAR SUNIL	<i>Gurav</i>
5	2410	HANKARE PARUSHURAM ANIL	<i>H.P.A.</i>
6	2411	JADHAV SHREYASH RAJESH	<i>Shreyash</i>
7	2412	JADHAV SURAJ DILIP	<i>PSD</i>
8	2413	JADHAV SWETA SHSHIKANT	<i>SSS</i>
9	2414	JADHAV TEJASVINI SUDHAKAR	<i>Tejasa</i>
10	2415	JAGTAP VAISHANAVI SANJAY	<i>Vaishnavi</i>
11	2416	JAMBHALE SANSKRUTI SUBHASH	<i>Sanskriti</i>
12	2417	KARAPE DHANSHRI MAHADEV	<i>Dhanshri</i>
13	2418	LOHAR VISHAL BHAGWAT	<i>Vishal</i>
14	2419	MALAVE PRANALI VAMAN	<i>Pranali</i>
15	2420	MANE KALYANI DHANAJI	<i>Kalyani</i>
16	2421	NALAWADE PRATIKSHA RAJENDRA	<i>Pratiksha</i>
17	2422	PATIL MAYURESHWAR HANMANT	<i>MHPatil</i>
18	2423	POL RUTUJA SUBHASH	<i>Pol</i>
19	2424	SALUNKHE PRANITA SANJAY	<i>Pranita</i>
20	2425	SALUNKHE PRATHMESH VAMAN	<i>Salunkhe.Pxj</i>
21	2426	SAPKAL SANIKA DHANAJI	<i>Sapkals</i>
22	2427	SAPKAL SUPRIYA SANJAY	<i>Supriya</i>
23	2428	SHEWALE PRYANKA KASHINATH	<i>Spk</i>



Yashwantrao Chavan College of Science, Karad

Department Of Chemistry

STUDY TOUR REPORT

Year 2021 - 2022

LAB/F-18

CLASS: B.Sc . II

TOTAL NUMBER OF STUDENTS: 23

DATES OF STUDY TOUR: : 10/06/2022

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPANYING: Mr.S.H. Burugale

Miss N.R Panwal


DATES & TIME OF DEPARTURE FROM KARAD: 10/06/2022 Time- 10 am

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
10/06/2022 Time- 10 am	Visit to Distillary	Actual Process of fermentation
10/06/2022 Time- 2 pm	Visit to ETP	Effluent Treatment plant
10/06/2022 Time – 4pm	Visit to Yeast Propagation unit	Clarifier, Aeration test

DATE & TIME OF ARIVAL AT KARAD:10 /06/2022 Time-6 pm


Teacher in- Charge


Head
Dept of Chemistry

Head
Department of Chemistry
Yashwantrao Chavan College of
Science, Karad


Chairmn

Tour committee



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Study Tour Report 2021-2022
(10/06/2022)

- 1) Name of the department :- Biochemistry
- 2) Class & subject for which tour is arranged :- B.Sc.II Biochemistry
- 3) No. of students accompanying :- 23
- 4) Place of visit and approximate distance
- Distance Of traveling :- 10
- Place :- Yashwantnagar
- Total distance :- 20
- 5) Date of departure and arrival. :-
- a) Departure from karad (10 jun) :- 10am
- b) Arrival at Sahyadri Sahakari Sakhar
karkhana Ltd, Yashwantnagar.(10 jun) :- 11am
- c) Arrival at karad :- 6pm
- 6) Mode of Journey :- Hired vehical
- 7) Name of the Staff :- Mrs. Panwal.N.R





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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

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Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref. No.

Date: 12/01/22

Umbrella Memorandum of Understanding Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT-
SATARA

And

ASSURA PHARMA TRAINING INSTITUTE, SPHURTI CHOWK, VISHRAMBAG,
SANGLI Both the above mentioned parties wishing to develop friendly and cooperative
relations in the fields of education and research have agreed to establish the
present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B. Sc. -Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
8. Any other areas of co-operation as agreed to by the Parties from time to time.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.

II. Obligations of the Parties

To implement the MOU the parties commit themselves to provide necessary conditions:

- 2.1. Both sides will maintain ongoing communication and circulate essential information in a timely manner.
- 2.2. Both parties agree that all financial agreements necessary to implement this MOU must be negotiated and will depend upon the availability of funds. Neither institution shall have any financial obligation to the other institution based on this Agreement.
- 2.3. Realization of separate concrete research projects within the frames of the MOU will be stipulated in separate, Specific Agreements.

III. Term and Order of Action

3.1 This MOU will become effective upon the date of signature by the representatives of the institutions and, if applicable, approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MOU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MOU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.

4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

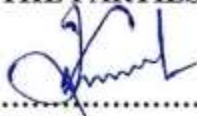
The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyanagar Karad-415124	ASSURA PHARMA TRAINING INSTITUTE, SPHURTI CHOWK, VISHRAMBAG, SANGLI 416415

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st



.....
Authority Name: **Dr. S. B. Kengar**

Principal

Seal of the Institute:



Party 2nd



.....
Authority Name: **Mr. Prashant B. Diwan**

Director

Seal of the Institute:





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LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad**

&



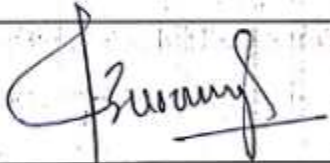



**Department of Chemistry,
Jaysingpur College, Jaysingpur**

Linkage is signed on 12th January 2022 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party)** and **Department of Chemistry, Jaysingpur College, Jaysingpur (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 12th January 2022

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Department of Chemistry, Jaysingpur College, Jaysingpur
Signature		
Name & Designation	Prof. Dr. S. H. Burungale Head, Department of Chemistry	Prof. Dr. B. M. Sargar Head, Department of Chemistry
Seal		

Monitoring and Assessment of Water Quality using Multivariate Statistics of Physico-chemical Parameters to establish Baseline Level around proposed Jaitapur Nuclear Power Plant (JNPP), India

Shinde R.D.¹, Burungale S.H.², Supale A.R.³, Chikode P.P.¹ and Sabale S.R.^{1*}

1. Jaysingpur College, Jaysingpur-416101, Maharashtra, INDIA

2. Yashwantrao Chavan College of Science, Karad-415124, Maharashtra, INDIA

3. Dr. P. K. Mahavidyalaya, Sangli-416416, Maharashtra, INDIA

*rsabale@gmail.com

Abstract

This study illustrates the usefulness of multivariate statistical techniques to provide straightforward data interpretation as well as valuable insights of datasets to get better information about the water quality and helps to design monitoring networks for effective management of available water resources. In this study, Multivariate statistical analysis, Cluster analysis, Principal Component Analysis, Factor Analysis, Water Quality Index and Piper diagram are used to analyze the water data and to prepare the baseline of water parameters around the proposed JNPP. Piper diagram indicates that the primary salinity ("non-carbonate alkali") exceeds 50 % which means that the chemical properties of water are dominated by alkalies and strong acids. Water quality indices indicate that water is non-polluted and fully fit for drinking purposes.

Principal component analysis and factor analysis applied for water parameters point towards the common source of minerals and high level of dissolved organic matter. Trace metal analysis shows significant but little participation of zinc, copper, nickel, iron and barium in water quality. The baseline developed and the data obtained will be useful for the water quality analysis after post-plant operation in this region.

Keywords: Water, JNPP Region, Physico-chemical parameters, Multivariate Statistics, Baseline.

Introduction

Safe water is a basic human right and pre-condition for health and development, yet it is still denied to millions of people of the developing world. Poor sanitation and hygiene coupled with insufficient safe water cause water-related diseases leading to 3.4 million deaths per year and most of them are children^{21,23}. India in 1974 enacted 'The Water Act' for prevention and control of water pollution to maintain and restore purity of water in the country. The act was further amended in 1992 and 2003. Currently, India's environment has become fragile and is of concern because of increasing industrialization, urbanization and growth in population⁹. Water quality expresses the suitability of water to sustain

various uses and processes. Every use or process requires certain physical, chemical and biological characteristics of water. Physical and chemical parameters of water are easily defined and hence, criteria set for water quality are largely based on physical and chemical conditions of the water. Biological methods of analyzing water quality are based on a diversity index derived from information theory. These indices express the relative importance of species, also they are dimensionless and independent of the sample size collected.

Once the water gets contaminated, it is difficult to restore its quality. Consequently, directly or indirectly everyone gets affected. Heavy metal contamination is a major problem in several communities and agricultural areas. Commercial agrochemicals, sewage water and industrial wastewater are the measured sources of heavy metal contamination^{15,16,25}. The contamination in an aquatic community is of major concern because of its toxicity, abundance and persistence in the environment. This may contaminate the aquatic ecosystem or public health^{4,22}. Thus the analysis of water quality is important to preserve the environmental system.

The application of basic and multivariate statistical methods including Cluster analysis (CA), Principal Component Analysis (PCA), Factor Analysis (FA) and Water Quality Index (WQI) for the investigation of water quality data are widely found in literature^{2,3,8,24,26}. Government has responded to the water findings by implementing required appropriate action plans at diverse locations⁶. Hence it is important to provide the detailed composition of water parameters to help the local environmental policymakers.

Study area

Jaitapur is a small village situated in the Rajapur Tehsil of Ratnagiri District, Maharashtra. It lies on the Arabian Sea coast. Nuclear Power Corporation of India Limited (NPCIL) proposed a Nuclear Power Plant with a 9900 MW capacity near Jaitapur. This project is located at 16.55° N; 73.35° E, a part of Konkan in the Western Ghats of Maharashtra. The issue was highlighted by different non-governmental organizations because of the adverse effects of radiation and different types of pollution. Also, many other industries like thermal power, mining of aluminium etc. are being constructed in this Konkan region. This Konkan region is famous for mango production and export especially





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With CGPA 3.52

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PHONE : LPABX - 2609000 PGBUTR 0231 2609296/9139,

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मराठी फोन : २६०९००० बुद्रात : ०२३१ २६०९२९६

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Ref. No. SU/PG-BUTR/Ph.D./O.D./379 /12-923

Date : 20 OCT 2022

To,
Shri. Pande Ajinkya Krushna,
Department of Chemistry,
Shivaji University, Kolhapur.

Sub: Confirmation of admission to Ph.D. Degree Course.

Sir / Madam,

I am directed to inform you that you are hereby admitted to Ph.D. degree programme in Chemistry under the Faculty of Science & Technology w.e.f. 1/1/2022 under the guidance of Dr. S. H. Burungale (Guide) & Dr. B. M. Sargar (Co-Guide) on following conditions.

1. You will have to remit the yearly fee as mentioned below from the date of admission.
2. You will be imposed with the fine as per university rules, in case of your failure to remit prescribed fee in month of January, every year...

Sr. No.	Particulars	Regular Students & DRF	Form JRF/UGC Teacher Fellow Full Time Teacher at Jr./Sr.College., Laboratory, Private & Govt.Organisation Employed Persons
i)	Tuition Fee	Rs. 7405	Rs. 7405
ii)	Library Fee	Rs. 976	Rs. 1948
iii)	Internet fees	Rs. 1948	Rs. 1948
iv)	Lab Fees (Sci & Engg.)	RS. 2926	Rs. 5845
v)	Lab. Dev. Fees	Rs. 1948	Rs. 1948
vi)	Medical Charges	Rs. 100	Rs. 100
vii)	Student Development Kalyan Nidhi	Rs. 100	Rs. 100
viii)	Accident/Medical Help Fund Scheme	Rs. 20	Rs. 20
ix)	Youth Festival	Rs. 50	Rs. 50
	Total	Rs. 15473/-	Rs.19364/-

Successful completion of M. Phil course / M.Phil. Theory course work / pre Ph.D. theory course work shall be pre-requisite for the submission of thesis as per R.R.D. 14. If you fail to pay the above fee within one month from the date of receipt of this letter, your admission will be automatically cancelled.

Yours faithfully,

Dy. Registrar

Copy to:

1. The Head, Department of Chemistry, Shivaji University, Kolhapur.
 2. Dr. S. H. Burungale (Guide), Department of Chemistry, Yashwantrao Chavan Science College, Karad
 3. Dr. B. M. Sargar (Co-Guide), Department of Chemistry, Jaysingpur College, Jaysingpur
 4. The Director, Barr. Balasaheb Khardekar Knowledge Resource Center, Shivaji University, Kolhapur.
- Ps: The Approved title of your proposed research work is,

"BIO INSPIRED GREEN SYNTHESIS OF MAGNETIC NANOPARTICLES, CHARACTERIZATION AND CATALYTIC APPLICATIONS"

[Note: The student should verify the title of thesis and communicate this office (within 15 days) for any clerical, typographical errors, if any]



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Ref. No.

Date: 12/01/22

Umbrella Memorandum of Understanding

Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA

And

BHARATI VIDYAPEETH'S, MATOSHRI BAYABAI SHRIPATRAO KADAM KANYA

MAHAVIDYALAYA, KADEGAON, SANGLI

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B. Sc. -Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
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- 2.3. Realization of separate concrete research projects within the frames of the MOU will be stipulated in separate, Specific Agreements.

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3.3. Each party reserves the right to unilaterally terminate the MOU should the other partner fail to fulfill its responsibilities as stated herein.

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4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyanagar Karad-415124	BHARATI VIDYAPEETH'S MATOSHRI BAYABAI SHRIPATRAO KADAM KANYA MAHAVIDYALAYA, KADEGAON, SANGLI Dist- Sangli 415304 Maharashtra, India

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st



Authority Name: **Dr. S. B. Kengar**

Seal of the Institute:



Party 2nd



Authority Name: **Prof. (Dr.) V. Y. Kadam**

Seal of the Institute: **vc. Principal**

**B.V.M.B.S.K. Kanya Mahavidyalaya
Kadegaon, Dist. Sangli**





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LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad
&**

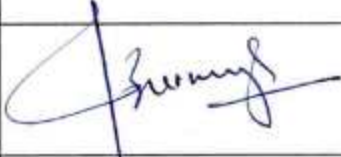
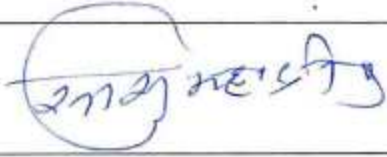

**Vanashri Milk Product Pvt. Ltd., Hanmantnagar, Chinchani
(Ambak), Tal- Kadegaon, Dist- Sangli.**

Linkage is signed on 13th January 2022 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party)** and **Vanashri Milk Product Pvt. Ltd. Hanmantnagar, Chinchani (Ambak), Tal- Kadegaon, Dist- Sangli. (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 13th January 2022

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Vanashri Milk Product Pvt. Ltd., Hanmantnagar, Chinchani (Ambak), Tal- Kadegaon, Dist- Sangli.
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Shri Sagar Subhraj Mahadik Secretary
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Shri Subhraj Ragnath Mahadik Managing Director
Seal		

CERTIFICATE

This is to certify that the following students of B.Sc. III (Chemistry Department) of Yashwantrao Chavan College of Science, Karad have completed their Industrial Training under mentorship of my firm dated from 01.02.2022 to 10.02.2022 during the academic year 2021-2022 as partial fulfillment of the B.Sc. (Chemistry) course.

Roll Number	Name of the Student
3101	ABHANG OMKAR SAMBHAJI
3102	ADAKE OMKAR TANAJI
3103	ASKET SUJIT SHANKAR
3104	BABAR RUSHIKESH RAJENDRA
3105	BAGUL VIJAYA BIBICHAND
3106	BANDAL PAVAN UDDHAV
3107	BANDGAR DASHRATH GOVIND
3108	BARGE TEJAS DATTATRAYA
3109	BHALEKAR SWATI SUNIL
3110	BHOJ JASARAJ VINAYAK

This certificate of completion is granted on 10.02.2022



वनश्री मिल्क प्रॉडक्ट
चिंचणी (अं.)

Estd. 1958



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LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad
&**







**Srushti Agro Export, Plot No C8, MIDC, Kadegaon, Tal-
Kadegaon, Dist- Sangli.**

Linkage is signed on 31st January 2022 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party)** and **Srushti Agro Export, Plot No C8, MIDC, Kadegaon, Maharashtra. (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 31st January 2022

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Srushiti Agro Export, Plot No C8, MIDC, Kadegaon, Maharashtra
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Amit Arvindrao More
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Shri Kundlik Tukaram More Founder & Chairman
Seal		

CERTIFICATE

This is to certify that the following students of B.Sc. III (Chemistry Department) of Yashwantrao Chavan College of Science, Karad have completed their Industrial Training under mentorship of my firm dated from 01/02/2022 to 10/02/2022 during the academic year 2021-2022 as partial fulfillment of the B.Sc. (Chemistry) course.

Roll Number	Name of the Student
3131	CHAVAN TEJAS ANIL
3132	CHAVAN VIKRAM BAJRANG
3133	CHAVAN VISHAL BHASKAR
3134	CHIBADE VISHAKA SHIVAJI
3135	CHINDARKAR ANIKET VIJAY
3136	CHORGE SWAPNALI SURESH
3137	DANGE SAKSHI BHIMRAO
3138	DAVANDE PRATIK ANANT
3139	DESAI ABHISHEK JAYVANT
3140	DESAI ANKITA ASHOK

This certificate of completion is granted on 10/02/2022





महाराष्ट्र MAHARASHTRA

2023

64AA 600897

जोडपत्र १ व २ /Annexure- I & II

मुद्रांक विक्री कारण -

Reason of sale stamps and Amount

मुद्रांक विकत घेणाराचे नांव व पत्ता -

Stamp purchasers Name

हस्ते असल्यास त्याचे नांव व पत्ता

Stamp purchasers Name

मुद्रांक विक्री नोंदवही नंबर

Serial No and Date

मुद्रांक विकत घेणाराची सही

Stamp purchasers Sign.

मुद्रांक विक्रेता - निवृत्ती मा. चव्हाण

परवाना क्र. २१०३०७० / १९९६ मु.वि.ठिकाण -दु.नि.कार्या.क्र. १

तहसिल कार्या, आवार कराड

संक्रमांक १००/-

Yashwantrao Chavan College of Science
Karad

६८६९ दिनांक २०/१२/२०२३

[Signature]

मुद्रांक विक्रेत्याची सही



ज्या कारणांसाठी ज्यांनी मुद्रांक खरेदी केला त्यांनी त्याच कारणासाठी मुद्रांक खरेदी केल्यापासुन ९ महिन्यात वापरणे बंधनकारक आहे.

MEMORANDUM OF UNDERSTANDING

Between

Orange ITech

And

Yashwantrao Chavan College of Science, Karad



Orange ITech

317, Rajdhani Complex, near Shankar
Maharaj Math, Dhankawadi Pune 43
admin@orangeitech.in

<https://orangeitech.in/>

MEMORANDUM OF UNDERSTANDING

This MEMORANDUM OF UNDERSTANDING (MoU) is entered on 2nd June 2022 between

Orange ITech

And

Yashwantrao Chavan College Of Science, Karad

Role of Orange ITech

1. The company will conduct one seminar/webinar free of cost for students regarding IT Industry.
2. The company will conduct one seminar/webinar free of cost for job opportunities in IT industry and give internship to the interested students.
3. The company will share insights related to hiring and recruitment trends with the college placement cell.

Role of College name

1. The college will provide the necessary infrastructure to conduct virtual or offline sessions, inform the students about the same, and share the information of participating students for better output.
2. Mutually decided location on campus to put up branding/standees.
3. Platform to connect and interact with the students and placement committee.
4. All sort of communication with students is the responsibility of the college.



Outcomes

This MoU will enable the students and college to:

1. To gain expertise in IT industries.
2. To utilize the insights and information regarding any Placement or Internship Opportunity.
3. All IT technologies and trainings will help students to become more confident in the area of developments, designing and testing in IT industry.

Duration of MOU

This MoU will remain in force for 5 year (2nd June 2022 to 2nd June 2027) commencing from the date of signing of this document. **Orange ITech & Yashwantrao Chavan College Of Science, Karad** reserve the right to terminate this MoU by either one giving three months written notice to the other, where such termination occurs, the provisions of this Memorandum shall continue to apply to ongoing activities until their completion.

Statement of Intent

Nothing in this MoU shall be constructed to as creating any legal relationships between the parties. This MoU is the statement of intent to foster genuine and mutually beneficial collaboration.

Amendments

Amendments to this contract, if any, will be made only after joint discussion and agreement between **Orange ITech & Yashwantrao Chavan College Of Science, Karad** and will require a freshly approved and signed agreement by the designated representatives of each. The terms/clauses/articles in this MoU can be reviewed by mutual consent by serving three months' written notice by one to other. New or amended terms/clauses/articles may be agreed upon as of a renewed MoU.



This MoU shall be effective from the date of its signing.



Principal
Yashwantrao Chavan College of Science
Karad
Dr. S. B. Kengar.

Principal

Yashwantrao Chavan College Of Science, Karad

A circular purple ink stamp. The outer ring contains the text "ORANGE ITECH" at the top and "PUNE" at the bottom, separated by two small stars. The center of the stamp features a logo with a stylized orange fruit.

Archana Sachin Nigade

Director

Orange Itech, Pune



Hon. Yashwantrao Chavansaheb
Founder



Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)
02164 - 271356, 271357 e-mail : prinyccsk@gmail.com website : www.yccskarad.com

UDISE Code - 27310207715 Index No. - J 21.02.002

Reaccredited B** Level by NAAC, Bangalore
AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Hon. P. D. Patilsaheb
President up to 17th September 2008

Dr. Suryakant Babu Kengar
Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil
President,
Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla
General Secretary,
Shri Shivaji Education Society's, Board for Higher Education, Karad

Department of Computer Science

Departmental Activity

2022-23

Name of Activity :- Online Workshop
Name of the Topic :- Spring and Hibernate Framework of Java used in IT Companies
Guest :- Mr. Archana Nigade
Date & Time :- 07/05/2023 to 09/05/2023 11:00 am

Index

Sr. No.	Documents
1.	One Page Report Activity
2.	Full Report of the Activity
3.	Correspondence
4.	Table of the Program
5.	Attendance
6.	Feedback
7.	Feedback Analysis
8.	Program Photographs


Signature

Head of the Department

Head
Department of Computer Science
Yashwantrao Chavan College of Science
Karad


Principal

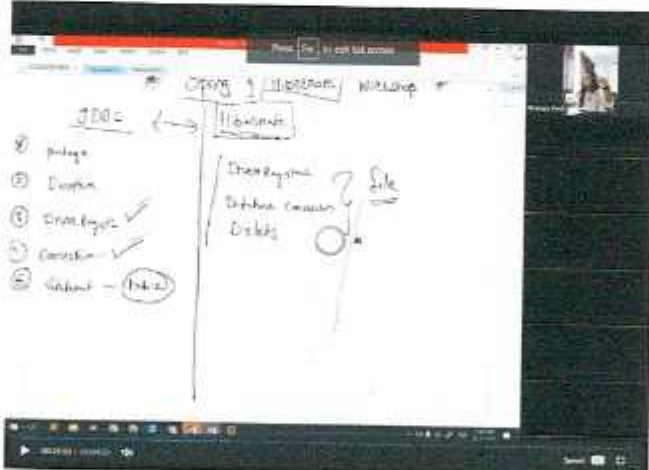
Principal

Yashwantrao Chavan College of Science
Karad



Yashwantrao Chavan College of Science, Karad

ACTIVITY REPORT 2022-23

Name of the Department: Computer Science	Date of activity: 07-05-2023 to 09-05-2023
Name of the Activity:	Online Workshop on "Spring and Hibernate framework of java used IT Companies"
Chief Guest:	Dr. S. B. Kengar Principal, Yashwantrao Chavan College of Science, Karad
Invited Speaker:	Mrs. Archana Nigade CEO, Orange It Services, Director of Orange Itech Pune
Purpose of Program:	1. To provide information and knowledge about the use of Spring and Hibernate framework of java to enhance the learning experience. 2. To discuss use of framework of java in IT companies
No. of beneficiaries:	70
No. of Teachers Participated:	5 Mrs. A. V. Nalawade Miss. A. G. Jirange Mrs. S. G. Padyal Mrs. V. A. Mali Miss. S. R. Pawar
Outcomes / success achieved:	1. helps to vary and enhance the programming knowledge and various opportunity in IT company
Program Photo:	 <p style="text-align: center;"><u>Link:</u> https://us06web.zoom.us/j/6187475563?pwd=F360yb5km3bctaQk0piAhcV37yDk1m.1</p>

Signature
Co-Ordinator

Signature
Head of Department

Signature
IQAC
Co-Ordinator

Signature
Principal

Head
Department of Computer Science
Yashwantrao Chavan College of Science,
Karad

Internal Quality Assurance Cell (IQAC)
Yashwantrao Chavan College
of Science, Karad

Principal
Yashwantrao Chavan College of Science
Karad



**YASHWANTRAO CHAVAN COLLEGE
OF SCIENCE, KARAD
DEPARTMENT OF COMPUTER SCIENCE**

Report of the Activity

**“Online Workshop on Spring and Hibernate framework of java
used in IT Companies”**

The inaugural function of “Online Workshop on Spring and Hibernate framework of java used in IT Companies” was scheduled on 7th May 2023 to 9th May 2023 started at 11:00 am by the Hon. President Principal Dr. S. B. Kengar, Yashwantrao Chavan College of Science, Karad, staff members and students. The function was organized by Department of computer science.

At the beginning of function, welcome speech on behalf of Department of computer science was given by Mrs. A. V. Nalawade. The function was followed by felicitation of Invited speaker Mrs. Archana Nigade and President Principal (Dr.) S. B. Kengar, Yashwantrao Chavan College of Science, Karad

The workshop's agenda was thoughtfully crafted, covering fundamental aspects such as an introduction to the Spring Framework, core concepts like Dependency Injection and Aspect-Oriented Programming (AOP), an overview of the Hibernate Framework, and the seamless integration of Spring and Hibernate. Furthermore, the sessions included case studies and practical applications in the IT industry, providing attendees with a holistic perspective on the frameworks' relevance and utility.

Distinguished speakers, acknowledged experts in the field of Java development and frameworks, were instrumental in delivering insightful sessions. Their expertise not only delved into theoretical foundations but also extended to practical applications, offering participants a comprehensive understanding of the frameworks' implementation in the professional realm.

The workshop fostered participant engagement through interactive elements such as Q&A sessions, quizzes, and hands-on exercises. This active involvement empowered attendees to grasp the intricacies of Spring and Hibernate, reinforcing their learning experience. Overall, the lecture was a resounding success, and the host institution is grateful to Mrs. Archana Nigade for sharing their expertise with our community.

In conclusion, the Online Workshop on "Spring and Hibernate Framework of Java in IT Companies" was a resounding success, achieving its objectives of imparting comprehensive knowledge and practical skills to participants.



|| Be One with the downtrodden and the underprivileged ||

Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

Hon. Yashwantrao Chavansaheb
Founder

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com website : www.yccskarad.com

Hon. P. D. Patilsaheb
President up to 17th September 2008



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Dr. Suryakant Babu Kengar

Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No.mai/2022-23

Date - 05/5/2023

To,
Mrs. Archana Nigade
CEO, Orange It Services,
Director of Orange Itch
Pune

Subject - Invitation to Online Workshop on "Spring and Hibernate framework of java used IT Companies".

Respected Madam,

On behalf of organizing committee of Department of Computer Science, Yashwantrao Chavan College of Science, Karad I am pleased to invite you as a speaker to deliver Online Workshop on "**Spring and Hibernate framework of java used IT Companies**". Held On 7th May 2023 to 9th May 2023 at 12:00 pm.

You are requested accept our invitation and oblige.

Thanking you,

Yours Sincerely,

Principal

Yashwantrao Chavan College of Science
Karad



|| Be One with the downtrodden and the underprivileged ||

Shri Shivaji Education Society Karad, Board For Higher Education's

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President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No. **mai**/2022-23

Date - 09/5/2023

To,
Mrs. Archana Nigade
CEO, Orange It Services,
Director of Orange Itch
Pune

Subject – Letter of Appreciation....

Respected Madam,

Thank you very much for delivering an informative & through provoking Online Workshop as Guest Speaker on **"Spring and Hibernata framework of java used IT Companies"**. Held on 7th May 2023 to 9th May 2023 at 12:00 pm at Online mode.

It was really splendid presentation which exposed students to the field practices. All the student appreciated & got benefitted from your views on the subject.

Looking forward for your co-operation for the promotion of professional education in future as well as.

Thanking you,

Yours Sincerely,



Principal

Yashwantrao Chavan College of Science
Karad

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Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD



Hon. Yashwantrao Chavansaheb
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Hon. P. D. Patilsaheb
President up to 17th September 2009

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Dr. Suryakant Bapu Kengar
Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil
President,
Shri Shivaji Education Society's, Board for Higher Education, Karad

MLA

Hon. Altafhusen Nasiruddin Mulla
General Secretary,
Shri Shivaji Education Society's, Board for Higher Education, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

Online Workshop on

“Spring and Hibernate framework of Java used IT Companies”

ACADEMIC YEAR 2022-23

Day: Sunday to Tuesday Date: 07/05/2023 to 09/05/2023

Schedule

- Introduction – Mrs. A. V. Nalawade
- Presidential Address – Principal (Dr.) S. B. Kengar

Yashwantrao Chavan College of Science, Karad

- Guest Interaction – Mrs. Archana Nigade
Orange Itech
- Vote of Thanks – Mrs. S. G. Padyal

Date : 07/05/2023

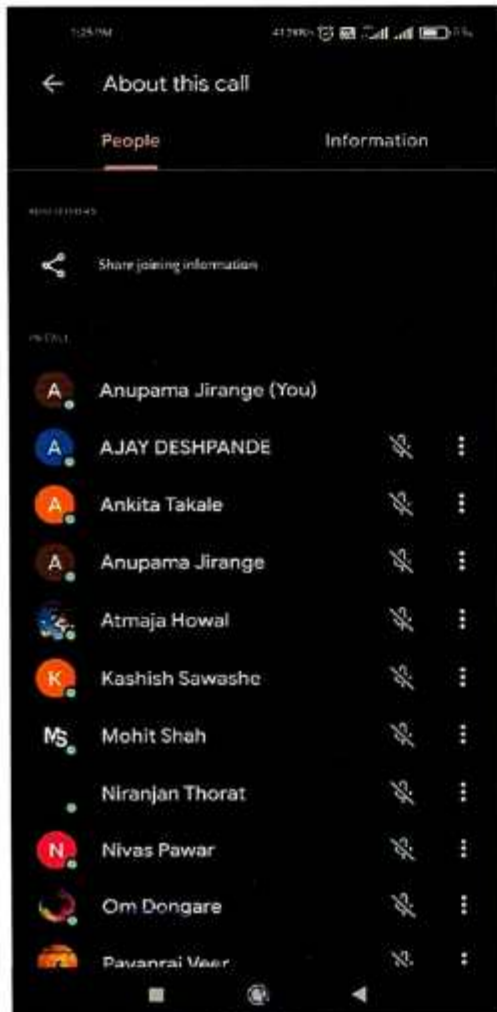
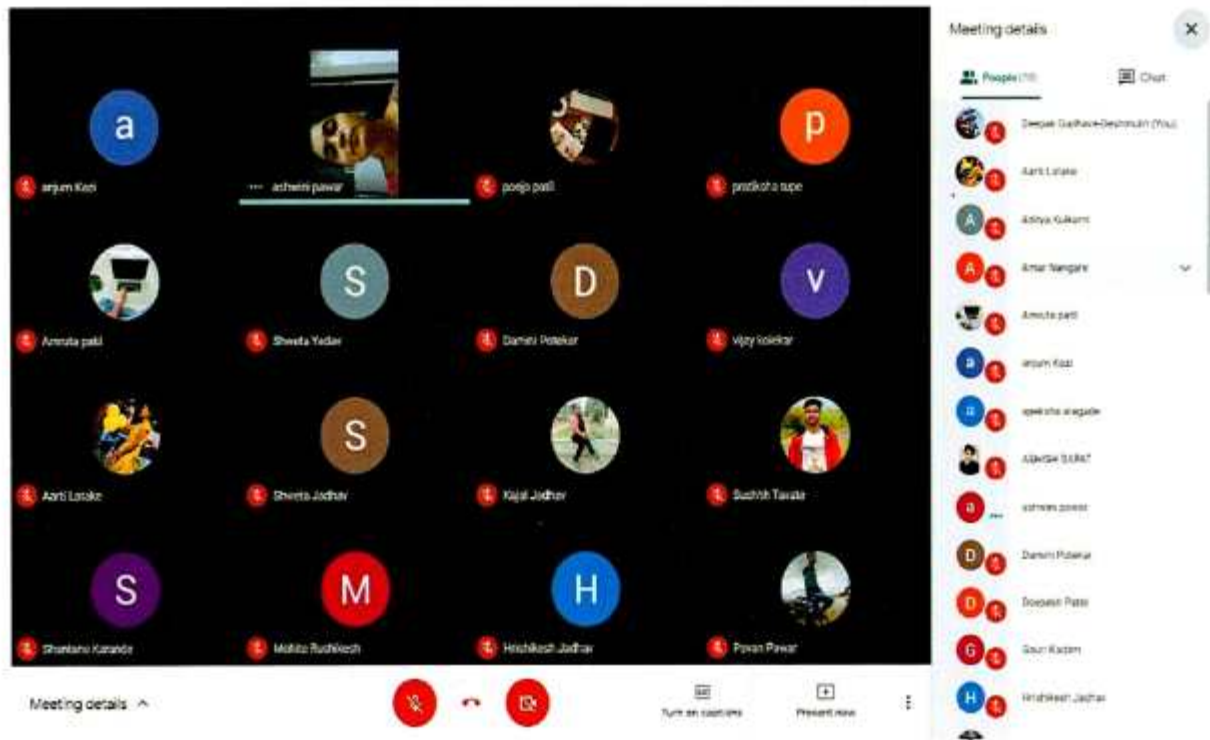
Time : 11:00 am Onwards

Venue : Online



(Signature)
Department of Computer Science
Yashwantrao Chavan College of Science,
Karad

Online Attendance:





Feedback:

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Online Workshop on
 "Spring and Hibernate framework
 of java used IT Companies"
 Feedback 2022-23

Name Of Speaker-Archana Nigade

Sunday to Tuesday

07-05-2023 to 09-05-2023

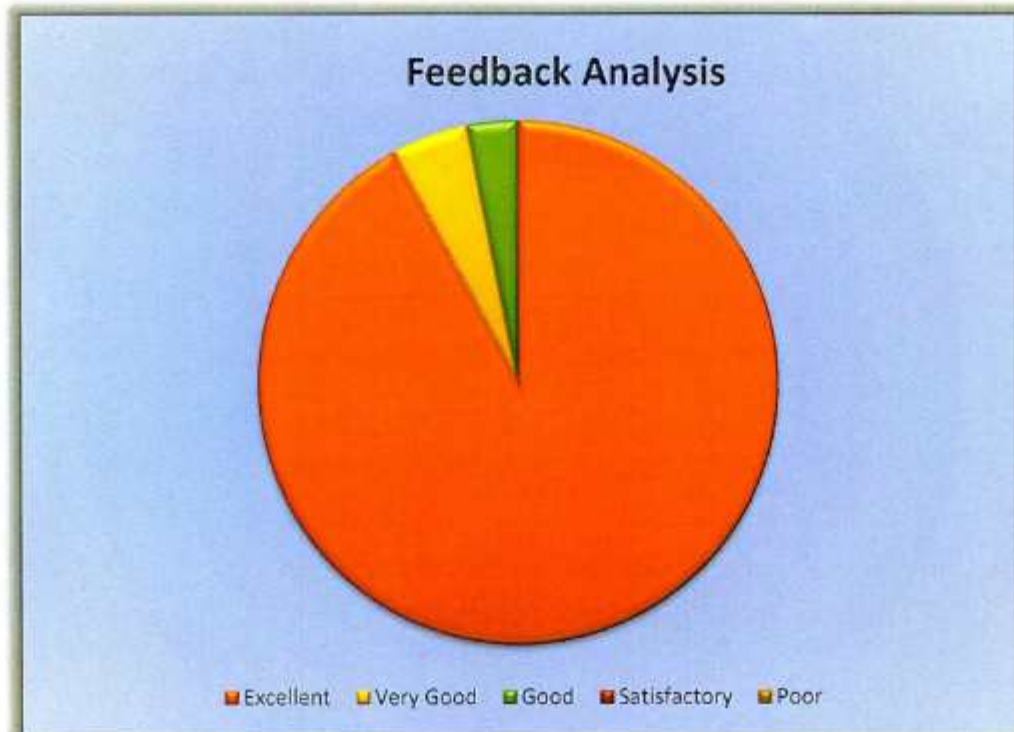
Sr.No	Name	Class	Roll No	Mobile No	Usefulness Of program	Speakers Presentation's Skill	Amount Of New Information you learned	Overall Experience Of the Program	Any other Suggestion (If Any)
1	Yadav Sairaj Prashant	B.Sc(CS)(Entire)-III	9602	7219453048	Excellent	Excellent	Excellent	Excellent	-
2	Yadav Aniket Anil	B.Sc(CS)(Entire)-III	9600	8975847806	Satisfactory	Excellent	Good	Excellent	No
3	Wadate Tejas Vinod	B.Sc(CS)(Entire)-III	9598	7387242635	Excellent	Satisfactory	Excellent	Excellent	-
4	Tovar Ajit Pandurang	B.Sc(CS)(Optional)-III	3398	9784516838	Excellent	Excellent	Excellent	Good	No
5	TAWAR MANISH DEEPAK	B.Sc(CS)(Entire)-III	9593	9356855131	Good	Excellent	Satisfactory	Excellent	-
6	Suryavanshi Jayesh Suresh	B.Sc(CS)(Entire)-III	9591	9359602720	Excellent	Excellent	Excellent	Excellent	-
7	Supanekar Sumit Bhagawan	B.Sc(CS)(Optional)-III	3386	9158118485	Excellent	Excellent	Excellent	Excellent	-
8	Shinde tejas shivaji	B.Sc(CS)(Entire)-III	9589	9168611756	Excellent	Good	Excellent	Excellent	No
9	Shewale roshani siddheshwar	B.Sc(CS)(Optional)-III	3385	9021028703	Excellent	Excellent	Excellent	Excellent	No
10	Shedage Sahil Tanaji	B.Sc(CS)(Entire)-III	9583	7083287070	Excellent	Excellent	Excellent	Excellent	No
11	Sawant Snehal sampat	B.Sc(CS)(Optional)-III	3384	9879415580	Excellent	Excellent	Excellent	Excellent	No
12	Sankpal Rahul Vijay	B.Sc(CS)(Entire)-III	9582	7620102531	Excellent	Excellent	Excellent	Excellent	No
13	Sankpal pratik dilip	B.Sc(CS)(Entire)-III	9581	9623273506	Excellent	Excellent	Excellent	Excellent	No
14	Salunkhe Ajay Sambhaji	B.Sc(CS)(Entire)-III	9578	7558351022	Excellent	Excellent	Excellent	Excellent	-
15	Raut Niranjan Jagannath	B.Sc(CS)(Optional)-III	3389	7709228038	Excellent	Excellent	Excellent	Excellent	-
16	Pisal Vishal Bhauso	B.Sc(CS)(Optional)-III	3394	9389028339	Excellent	Excellent	Excellent	Excellent	-
17	Pisal Asmita Sanjay	B.Sc(CS)(Optional)-III	3408	9325979637	Excellent	Excellent	Excellent	Excellent	-
18	Pisal Aditya Vilas	B.Sc(CS)(Optional)-III	3383	9370704489	Excellent	Excellent	Excellent	Good	-
19	Phalle Somnath Mahesh	B.Sc(CS)(Entire)-III	9572	8080999677	Excellent	Excellent	Excellent	Excellent	-
20	Pawar Viraj Vivek	B.Sc(CS)(Entire)-III	9571	8888182550	Excellent	Excellent	Excellent	Excellent	-
21	Pawar Vaishnave Prasad	B.Sc(CS)(Entire)-III	9570	9766666204	Excellent	Excellent	Excellent	Excellent	-
22	Pawar Swapnil Dadasaheb	B.Sc(CS)(Optional)-III	3471	9834826254	Excellent	Excellent	Excellent	Excellent	-
23	Pawar Swapnil Dadasaheb	B.Sc(CS)(Optional)-III	3471	9834826254	Excellent	Excellent	Excellent	Excellent	-
24	Pawar Sneha Sanjay	B.Sc(CS)(Optional)-III	3407	7420999465	Excellent	Excellent	Excellent	Excellent	-
25	Pawar Shreya Pandurang	B.Sc(CS)(Entire)-III	9569	9763350815	Excellent	Excellent	Excellent	Satisfactory	-
26	Patil Snehal Rahul	B.Sc(CS)(Entire)-III	9566	8999638901	Excellent	Excellent	Excellent	Excellent	-
27	Patil Shubham Gorakhnath	B.Sc(CS)(Optional)-III	3400	9673063010	Excellent	Excellent	Excellent	Excellent	-
28	Patil Shivani Ravindra	B.Sc(CS)(Entire)-III	9564	8149885335	Excellent	Excellent	Satisfactory	Excellent	No
29	Patil Parth Pramod	B.Sc(CS)(Entire)-III	9563	7083048527	Excellent	Excellent	Excellent	Excellent	-
30	Patil Nikita Navanath	B.Sc(CS)(Entire)-III	9560	8668255304	Excellent	Excellent	Excellent	Satisfactory	-
31	Patil Ashitosh Anil	B.Sc(CS)(Entire)-III	9558	9225123434	Excellent	Excellent	Excellent	Excellent	-
32	Nadaf Sahil AINU	B.Sc(CS)(Entire)-III	9555	7972080767	Excellent	Excellent	Excellent	Excellent	-
33	Mulla Kajal Salim	B.Sc(CS)(Entire)-III	9553	9145545228	Excellent	Excellent	Excellent	Excellent	-
34	Mulani Altamash mahammad	B.Sc(CS)(Optional)-III	3402	8805226167	Excellent	Excellent	Excellent	Excellent	-
35	More Suraj Anil	B.Sc(CS)(Optional)-III	3401	9175742869	Excellent	Excellent	Excellent	Excellent	No
36	More priyanka satish	B.Sc(CS)(Optional)-III	3382	7620495402	Excellent	Excellent	Excellent	Excellent	-
37	More Aachal Pandit	B.Sc(CS)(Entire)-III	9551	8757037691	Excellent	Excellent	Excellent	Excellent	-
38	Moholkar Vikrant Anil	B.Sc(CS)(Optional)-III	3391	9679274770	Excellent	Excellent	Excellent	Excellent	-
39	Kunal Phadtare	B.Sc(CS)(Optional)-III	3409	91938E+11	Excellent	Excellent	Excellent	Excellent	-
40	Kumbhar Yogesh Vilas	B.Sc(CS)(Optional)-III	3405	7069096378	Excellent	Excellent	Excellent	Excellent	-
41	Kumbhar Priyanka Ramesh	B.Sc(CS)(Optional)-III	3387	7786430116	Excellent	Excellent	Excellent	Excellent	-
42	Kumbhar Prathmesh Vaibhav	B.Sc(CS)(Optional)-III	3390	7080038910	Excellent	Excellent	Excellent	Excellent	-
43	Kumbhar Adersh Madhukar	B.Sc(CS)(Entire)-III	9542	9011272170	Excellent	Excellent	Excellent	Excellent	-
44	Khatarkar Rohan Santosh	B.Sc(CS)(Optional)-III	3388	7588159751	Excellent	Excellent	Excellent	Excellent	-
45	Kashid Varunkumar Sanjay	B.Sc(CS)(Entire)-III	9540	7709835397	Excellent	Excellent	Excellent	Excellent	-
46	Kamble Aditya Digambar	B.Sc(CS)(Optional)-III	3410	8459634032	Excellent	Excellent	Excellent	Excellent	-
47	Kalantre Nikita Hindurao	B.Sc(CS)(Entire)-III	9538	9823301697	Excellent	Excellent	Excellent	Excellent	-
48	KADAM VIRAJ SUJAY	B.Sc(CS)(Entire)-III	9537	9325938948	Excellent	Excellent	Excellent	Excellent	-
49	Kadam Sayali Ganesh	B.Sc(CS)(Optional)-III	3397	9421382308	Excellent	Excellent	Excellent	Excellent	-
50	Kachare Rohan Mukund	B.Sc(CS)(Optional)-III	3361	8007428142	Excellent	Excellent	Excellent	Excellent	-
51	Jadhav Vaishnavi Vijay	B.Sc(CS)(Optional)-III	3408	7028988876	Excellent	Excellent	Excellent	Excellent	-
52	Jadhav Pranali Anil	B.Sc(CS)(Entire)-III	9528	7499889994	Excellent	Excellent	Excellent	Excellent	-
53	Ghoripade sunita jyotiba	B.Sc(CS)(Optional)-III	3398	7868967972	Excellent	Excellent	Excellent	Excellent	-
54	Gholap Abhishek Bhikaji	B.Sc(CS)(Entire)-III	9523	932518927	Excellent	Excellent	Excellent	Excellent	-
55	Dange Anuja Sunil	B.Sc(CS)(Entire)-III	9512	7058469203	Excellent	Excellent	Excellent	Excellent	-
56	Chopade Rutuja Shashikant	B.Sc(CS)(Entire)-III	9511	8468860095	Excellent	Excellent	Excellent	Excellent	-
57	Chavan Shrawani Pandharinath	B.Sc(CS)(Optional)-III	3392	8180017375	Excellent	Excellent	Excellent	Excellent	-
58	Bawadekar Bhushan Kakaso	B.Sc(CS)(Optional)-III	3369	7798347968	Excellent	Excellent	Excellent	Excellent	-
59	Bamane Akash Balkrushna	B.Sc(CS)(Optional)-III	3366	7620875490	Excellent	Excellent	Excellent	Good	-
60	Avate Sushant Namdev	B.Sc(CS)(Entire)-III	9502	7249165510	Excellent	Excellent	Excellent	Excellent	-
61	Ansari Abhishek Yashuddin	B.Sc(CS)(Entire)-III	9501	9096230050	Excellent	Excellent	Excellent	Excellent	-
62	Arde Rishi Chandan	B.Sc(CS)(Optional)-III	3393	9889460429	Excellent	Satisfactory	Excellent	Excellent	-



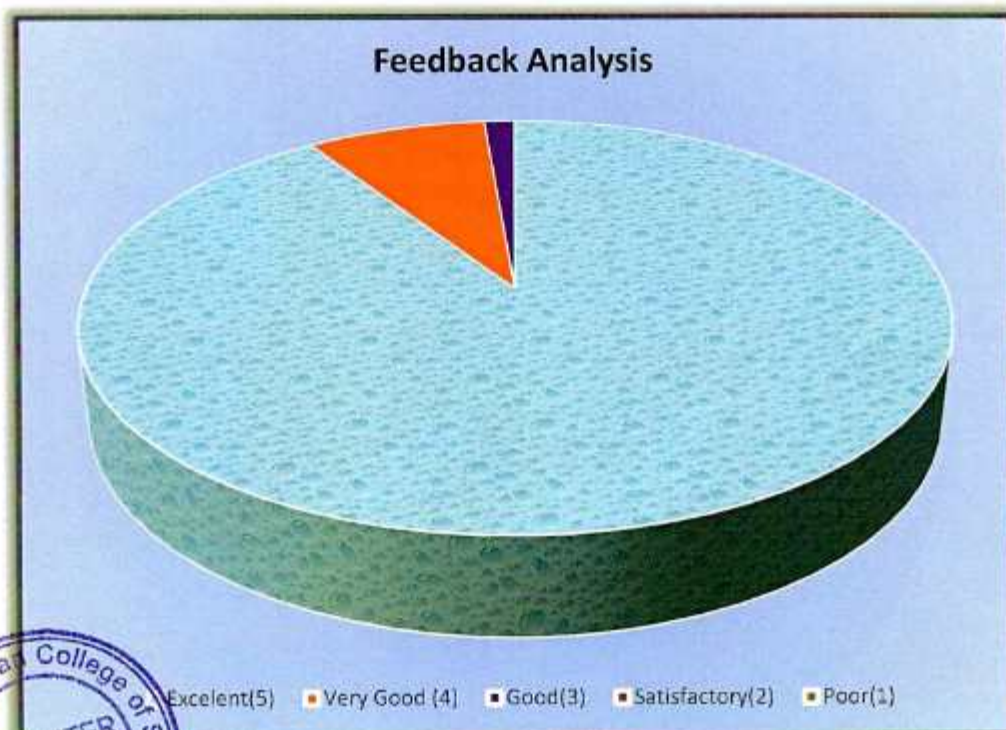
Feedback Analysis:

Online Workshop on Spring and Hibernate framework of java used in IT Companies

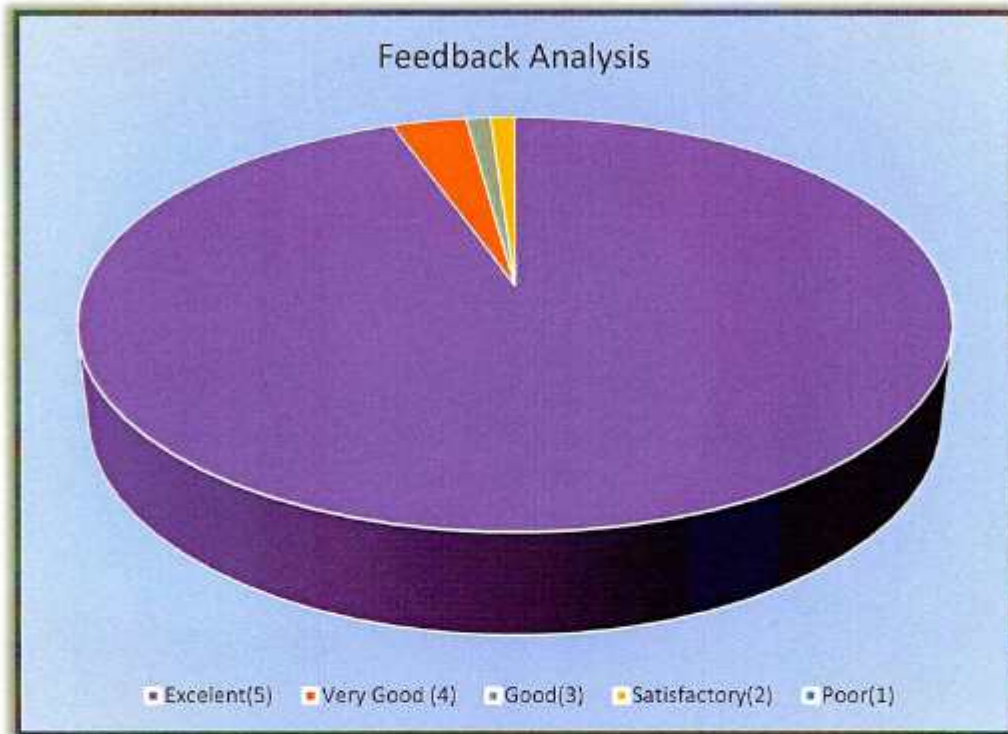
1) Usefulness of program



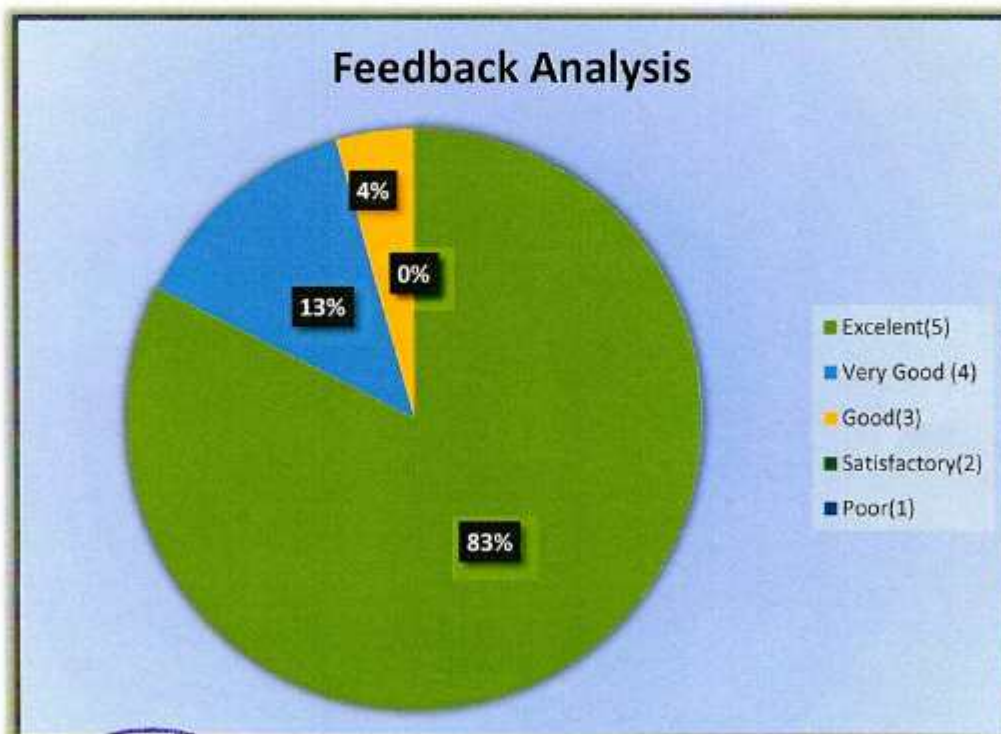
2) Rate the materials/slides presented by speaker



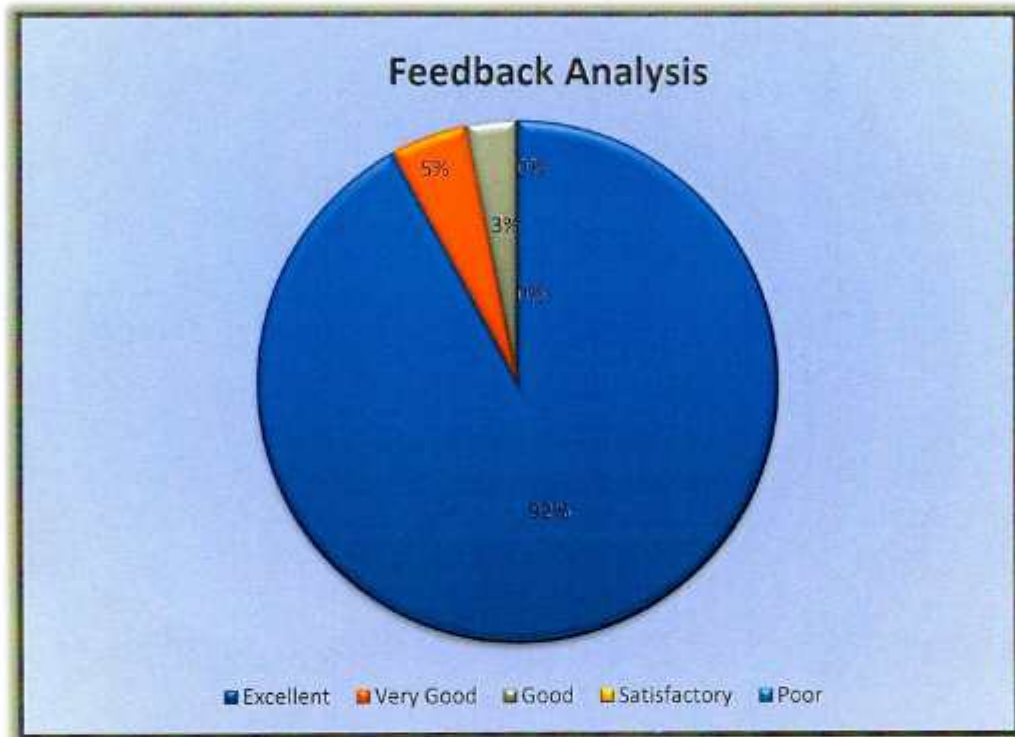
3)Speakers presentation's Skill



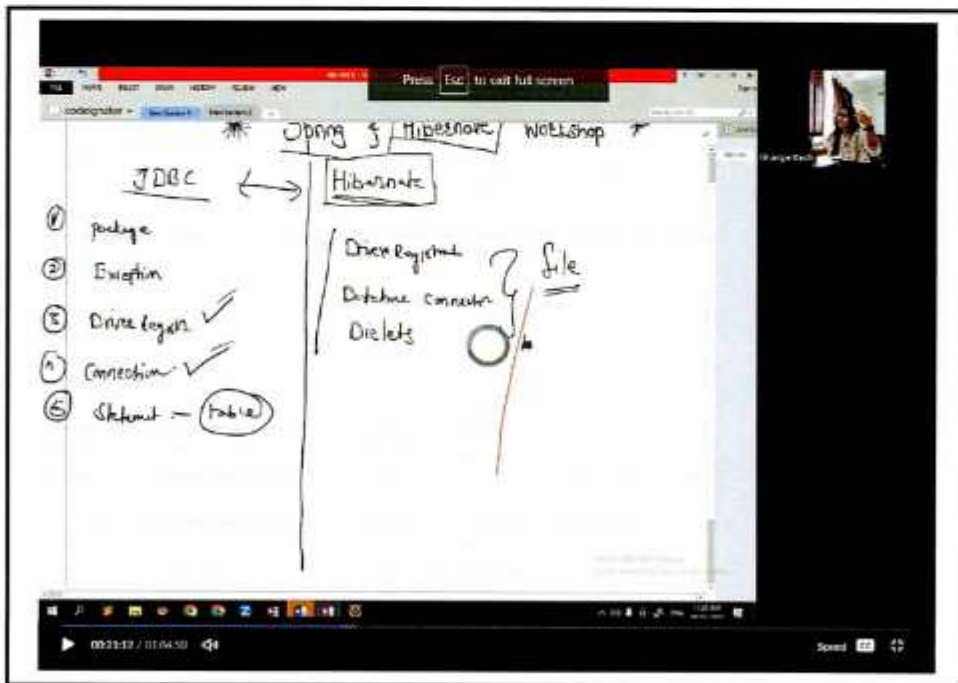
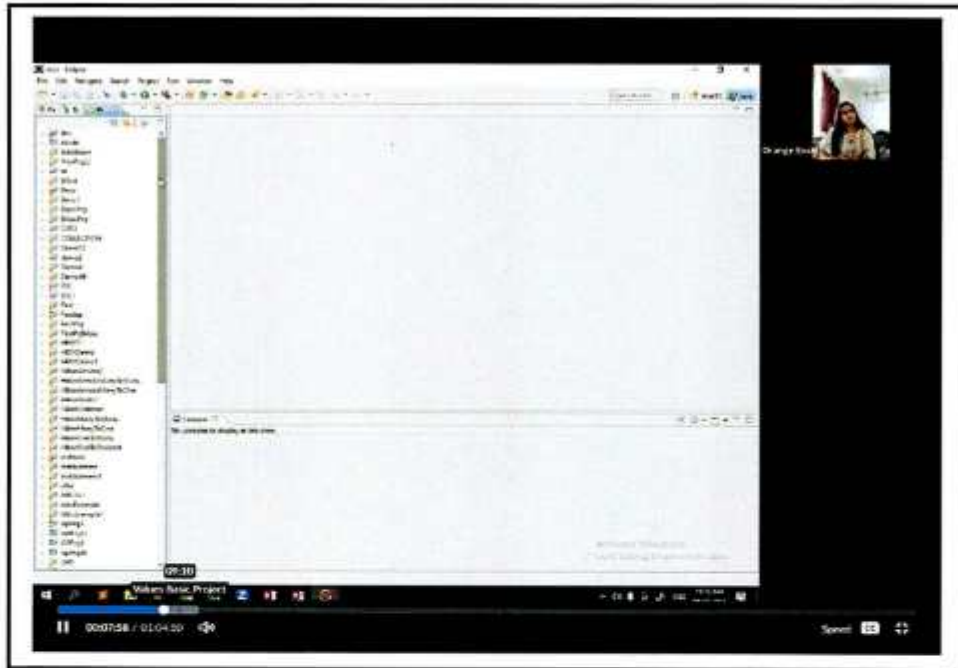
4)Amount of new information you learned



5) Overall experience of the program



Program Photographs:





महाराष्ट्र MAHARASHTRA

2021

YZ 706540

JOB. TREASURY OFFICE KARAD

 21 DEC 2021
 SUB TREASURY OFFICER KARAD

जोडपत्र-१/Annexure-I

खालील शिक्का प्रसिद्धावसाठी दाखल्यात येणाऱ्या मुद्रांकार उमटवावा.

फॉर्म प्रसिद्धावसाठी (अनुच्छेद-४) / Only For Affidavit (Article-4)

MOU

प्रतिष्ठापन कोणत्याही कादर कराव्याचे (For submitting to)

प्रसिद्धावसाठीचे कारण - (Reason for Principal)

मुद्रांक शिक्का घेणाऱ्याचे नाव **Fashwantrao Chavan College of Science Karad**

रहणी स्थान **मौज ११२९**

Place of Residence

Stamp Purchaser's Name

मुद्रांक शिक्का घेणाऱ्याची नोंद घरी अनु क्रमांक -

११२९

Serial No.

मुद्रांक शिक्का घेणाऱ्याची सही - X

Stamp Purchaser's Sign

श्री. सं. ज. माटे सरन्यायालय मुद्रांक विक्रेत्याची सही

द परवाना क्र-२३०३०३४/२००२ मद्रास मुद्रांक विक्रीचे विभाग/कारद- द्यावा निवेदन करावू शकतो

शिक्का कारणासाठी घ्यावी मुद्रांक उरवी देता त्यांनी त्याच कारणासाठी मुद्रांक उरवी देण्यासुद्धा द अधिकार द्यावे. रचनाकारक आहे

Memorandum of Understanding (MOU)

.....
Shri Shivaji Education Society's
Board For Higher Education, Vidyanagar, Karad
Yashawantrao Chavan College of Science, Vidyanagar, Karad
Department of Electronics
Maharashtra, India- 415 124



and



**INNOVHUB SYSTEMS PRIVATE
LIMITED**

Maharashtra, India- 415124

Memorandum of Understanding (MOU)

This MOU is between Yashwantrao Chavan College of Science, Karad's Department of Electronics and Innovhub Pvt. Limited Karad for

1. Enriching the education process by involving expertise from organization
2. Jointly work and build industry institute partnership for mutual benefit.
3. Development of new concepts and ideas jointly, to be a reality, for social benefit
4. Exposure to students through internship and projects with industry to inculcate qualities to be entrepreneur.
5. Share the laboratories and infrastructure for the benefit of both organization

About Yashwantrao Chavan College of Science, Karad (www.yccskarad.com)

Shri Shivaji Education Society, Karad's Board for Higher Education, founded by Late Hon. Shri. Yashwantrao Chavan, former Deputy Prime Minister of India, established this college in June 1958 as Science College Karad with an objective of providing education in science to students of the Karad and surrounding area in Maharashtra. To keep his memory alive, the college was renamed after him in 1986. The college building inaugurated in 1960 by the President of India. Hon. Dr. Rajendra Prasad is located in a sprawling campus of around 40 acres and has flourished under the able leadership of Late Hon. Shri. P. D. Patilsaheb. Today Yashwantrao Chavan College of Science, Karad is one of the premier educational institution in this region. This college is a grant- in-aid institution, affiliated to Shivaji University, Kolhapur. It is included under sections 2(f) and 12(B) of the UGC Act. Our College is also an ISO 9001 :2015 certified College and is now accredited to B++ level by NAAC in 2017 in 3rd cycle. The college offers courses in Physics, Microbiology, Geology, Statistics, Chemistry, Pollution, Botany, Zoology, Mathematics and Electronics at the graduation (B. Sc.) level. The college has facility of postgraduate courses leading to M. Sc., in Microbiology since 32 years, and Analytical Chemistry, Organic Chemistry, Botany, M.Sc. Computer Science & M.C.A. (YCMOU). College has recognized research laboratories for Ph. D. in Microbiology since 1979, Zoology since 2013 and Botany since 2018. M. Phil courses in Botany and Zoology are also being offered in this college. Since, the academic year 2008-09, three new courses, B.Sc. in Biotechnology; B.Sc. in Computer Science, B.Sc. in Computer Science (Entire) at graduation level. The college has also received several grants for major and minor research projects and for infra structural facilities from funding agencies like UGC, CPCB and DST-SERB. To achieve academic excellence, the college has schemes such as Remedial teaching for weak students. Consequently, our meritorious students have consistently occupied top places in Board and University Merit lists.

About Department of Electronics

Department of Electronics was established in 1984, to provide knowledge of Electronics which is growing with fast rate, for the students of rural area. This college was the first in few colleges in Shivaji University, started Electronics subject in a separate discipline, when university introduced this subject. The department have five teaching and sufficient supportive staff.

As per recent development in the subject, staff members of the department are ready to learn new topics, recent advances of the subject and it is beneficial to the students. Department always provide quality education and helps students to seek new knowledge, complete project on real time applications of electronics as well.

Facilities in Department

- Digital Storage Oscilloscope
- LCR Meter
- VHF Generator
- Universal Programmer
- Computers
- 8051 development Board
- PCB Designing and development Setup.

About Innovhub systems Pvt. Limited

INNOVHUB SYSTEMS PRIVATE LIMITED is a Private Company, Which CIN number is **U31900MH2021PTC372953**, was incorporated 5 Month(s) 12 Day(s) ago on dated 08 Dec-2021. INNOVHUB SYSTEMS PRIVATE LIMITED is classified as Non-govt company and is registered at Registrar of Companies located in RoC-Mumbai. As regarding the financial status on the time of registration of INNOVHUB SYSTEMS PRIVATE LIMITED Company its authorized share capital is Rs. 100000 and its paid up capital is Rs. 30000. As Per Registration of Company, It involves under in Business Activity Class / Subclass Code 31900, Main Activity of the said Company INNOVHUB SYSTEMS PRIVATE LIMITED is : . Manufacture of other electrical equipment, It Comes Under Division MANUFACTURE OF ELECTRICAL MACHINERY AND APPARATUS N.E.C. and this come under section MANUFACTURING.

INNOVHUB SYSTEMS PRIVATE LIMITED's Corporate Identification Number is U31900MH2021PTC372953

The registration number of this company is 372953 .Its Email address is innovhub.systems@gmail.com and its registered address is where Company is actual registered : 155 Gajanan Housing Society (West)Mseb Road, Tal.-Kurad, Dist.-Satara For any Query You can reach this company by email address or Postal address.

Founding INNOVHUB SYSTEMS PVT. LTD. is revolutionizing the 3D printing industry by its varied set of 3D printers, incomparable 3D printing services (A3DXYZ) and selling spare parts of 3d printer in ecommerce (Spare3d) in the same field to its peak.

A3DXYZ was founded in June 2018. It is a typical 3D printing service bureau which offers 3D printing services in multiple 3D printing technologies like Fused Deposition Modelling (FDM), Stereolithography (SLA), & Selective Laser Sintering (SLS). By leveraging his good relations with other service providers A3DXYZ also provides services in metal 3D printing through Selective Laser Melting (SLM).

Humble beginnings

Founder of A3DXYZ, Shri. Avadhut Deshmukh, is deaf and dumb by birth and has faced numerous challenges while growing up. Facing these challenges head-on and with an aim to do something on his own, Avadhut took the plunge in the 3D printing industry.

On being asked why he decided to start a 3D printing service bureau, he states, "I have five years of experience in the 3D printing technology. I wanted to capitalise on this knowledge and so I decided to start my own 3D printing service bureau."

Innovhub systems Pvt. Limited in 3D Printing Technology and E-Bike

Fused deposition modeling, or FDM, is an advanced type of production that habits additive industrial technology to yield 3D objects. Mutual applications comprise prototyping, minor-batch industrial and hobbyist utility.

With the help of FDM, you will be able to print not only functional prototypes however besides concept models and final end-use products, what's smart regarding this technology that everyone parts printed with FDM will come in high-performance and engineering-grade thermoplastic, that is extremely useful for mechanic engineers and manufacturers. FDM is that the only 3D printing technology that builds elements with production-grade thermoplastics, therefore things printed are of excellent mechanical, thermal and chemical qualities.

The word "fused deposition modeling" and its FDM shortening is times trademarked by the designer of the procedure. So, the label bonded filament construction, or FFF, is too used as precise synonym for this kind of printing. Together abbreviations and words are worked here. Some also term the procedure fused filament production.

Several kinds of 3D printing have been industrialized or are in growth, but FDM printing stays the greatest common and price-effective.

Partnership with Yashwantrao Chavan College of Science, Karad:

Objectives:

Being a leading science education institute in electronics and Innovhub would like to partner with Department of Electronics, Yashwantrao Chavan College of Science, Karad to achieve the following objectives:

- Develop capabilities and skillsets in 3D printing and allied domain by providing internship and project
- Ensure better participation of science graduates in the additive technology transformations
- Promote sponsored project, product, services, core research and IP generation in critical technology areas such as 3D printing, E-Bike and other.
- 3D Printing and e-Bike project development in collaboration

Role of Innovhub systems Pvt. Limited

- Internship for making BSc graduates eligible to contribute to the emerging technology in Agriculture domain



- Create internship and career opportunities for the trained graduates in the technology emerging areas in additive manufacturing and E-bike
- Promote research in the 3D printing and E-bike domain and make YCCS and Rayat Shikshan Sanstha, focal for R&D activities in the emerging technology areas
- Contribute to the faculty development programs in the emerging technology areas
- Provide R&D opportunities to the professors working in YCCS and in the vicinity
- Provide Industry Sponsored Projects in Additive Manufacturing domain

Role of Yashwantrao Chavan College of Science, Karad

- Provide physical space for training activities, especially for the immediate program of training of selected students in Additive Manufacturing and hardware design and services
- Access to the lab infrastructure for the training and research purpose [Please refer to the annexure for the requirements for Additive Manufacturing and hardware training]
- Facilitation of trainers and students for the training
- Support of the professors and staff in the possible research and development work
- Provide computer systems to the students for the training

The following points are agreed upon as part of this understanding:

1. Nature of Relationship

1.1 This MOU is for collaboration between all parties, for mutual benefit, for the purposes set out in annexure -1, enclosed herewith; to enhance the quality of the educational experience for faculty, staff, and students of Yashwantrao Chavan College of Science, Karad and to work on collaborative projects, internship, consultancy, and development by Yashwantrao Chavan College of Science, Karad and Innovhub. This MOU shall come into effect from **22/06/2022** and will continue till, if and when, either of the parties wishes to discontinue the agreement, which should be done with 3 months' advance intimation in writing to the other party.

1.2 All parties shall take all reasonable steps to ensure the successful completion of the collaboration and co-operate with each other in duly carrying out the obligation agreed upon.

2. Mutual Understanding

2.1 This collaboration shall not be exclusive to all parties and shall not disallow each party from having a similar collaboration with others. Except as expressly stated in this MOU, there shall be no obligation on any party to compensate the other in any manner or to make any claim.

2.2 Each party shall meet the expenses between them as mutually agreed.

2.3 Each party shall respect the other's intellectual property (IP) and shall not use any trade name, trademark, symbol, or designation belonging to the other, without prior written approval. No party shall hold out as an agent or representative of the other or create any liability for the other.

2.4 All parties shall maintain confidentiality about any information, course material, plans, discussions, strategies, or any material, which shall be deemed to be confidential and marked accordingly. Any information, course material, or the like in the public domain shall not be part of this commitment.

3. General

3.1 Each party shall ensure that the other is not put to any liability for any act of the respective party.

3.2 Each party represents that they have the full power and authority to enter into this MOU in general.

3.3 All parties shall not use the name of the other in any advertisement or make any public announcement mentioning another party without the prior intimation of the other.

3.4 All parties will designate a representative from their side who will be the primary point of contact on behalf of that party.

4. Amendment to the MOU

No amendment or modification of this MOU shall be valid unless the same is made in writing by authorized representatives of both the parties and specifically stating the same to an amendment of this agreement. The modification/ changes shall be effective from the date on which they are made/ executed unless otherwise agreed to in writing whereof both parties put their hard seal on the day, month, and year herein mentioned.

5. Arbitration

In the event of any dispute or difference between the parties hereto, such disputes differences shall be resolved amicably by mutual discussions.

Now, therefore, for and in consideration of the foregoing premises the parties have signed the Memorandum of Understanding 22nd of June 2022.

Date: 22/06/2022

Place: Karad

Yashwantrao Chavan College of
Science, Vidyanagar, Karad




Authorized Signatory
Principal
Yashwantrao Chavan College of Science
Karad

Innovhub Systems Pvt. Limited


Authorized Signatory
Director



WITNESS

1. Smt. Sarwade M.P. 
2. Shri A.A. Mulia 

ANNEXURE-1

1. Sourcing the experts for the benefit of stakeholders of all parties.
2. Innovhub will help in improving the academic standard of Yashwantrao Chavan College of Science, Karad by participating in activities like Innovative project development, curriculum development, laboratory development, feedback on curriculum, etc.
3. Need and availability-based sharing of the infrastructure available with each party.
4. Permitting visits to the campuses of each other with prior permission abiding by the rules of the organization.
5. Yashwantrao Chavan College of Science, Karad will provide consultancy in the areas of expertise of the faculty; following mutually agreed terms and conditions.
6. Based on the availability, Innovhub will sponsor projects / mini projects for the college students; and Yashwantrao Chavan College of Science, Karad will undertake projects by making available expert faculty as guides.
7. Yashwantrao Chavan College of Science, Karad will organize placement drives for fulfilling Innovhub need for technical manpower. Whenever placement drives are organized by Innovhub, they will provide an opportunity to the students from Yashwantrao Chavan College of Science, Karad to appear for placement drives.
8. Both the parties can undertake collaborative R&D work/R&D Projects: For Technology / Patents so evolved based on collaborative research, joint rights of ownership will be mooted. Publications arising out of collaborative work shall be jointly published.
9. Yashwantrao Chavan College of Science, Karad will make library resources available to the Innovhub.
10. All parties will support organizing various events like conferences, exhibitions, other annual events, etc.
11. Allow participation of stakeholders of both parties in the academic, co-curricular, and extracurricular activities carried out by each party.



Estd. 1958



|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B++ Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO.: RQ91/5237

Ref. ^{ELE} ^{MD} /2022-23

Date : 05.05.2023

To,

The Director,
Innohub Systems Private Ltd.,
Gajanan Housing Society, Vidyanar,
Karad. Dist. Satara

Subject : MOU Activity : Student Training

Sir,

As per the MOU signed by the Department of Electronics, Yashwantrao Chavan College of Science, Karad and Innohub Systems Private Ltd., and telephonic discussion with Shri. Mulla A. A. , Four students in the B.Sc. III (Electronics) class want hands-on training on 3D printing technology. Please allow them and do the needful.

Thanking You.

For INNOVHUB SYSTEMS PVT. LTD.


Director

Yours faithfully,


Principal

Yashwantrao Chavan College of Science, Kara

Encl.

Student List

Date : 10/05/2023

To,

The Principal,
Yashwantrao Chavan College,
Karad. Dist. Satara- 415 124

Subject : Students training on 3D printing Technology.....

Respected Sir,

Regarding your letter of May 5, 2023, we permit your four students enrolled in the B.Sc. III (Electronics) program to undergo on-the-job training at Innvohub Systems Private Ltd. on 3D printing technology. Training will be conducted from 15 – 20 May, 2023, with daily office hours of 10:00 a.m. to 6:00 a.m.

Thanking You.

For INNOVHUB SYSTEMS PVT. LTD.



Director



Dept. of electronics



Yashwantrao Chavan College,
Satara, Dist. Satara, Karad

Yashwantrao Chavan College of Science, Karad

Department of Electronics

Students List

Hands-on training on 3D Printing Technology

Company Name : Innohub Systems Private Ltd.

Sr. No.	Students Name	Class
1.	Ms. Harshani Nivas Dubal	B.Sc. III
2.	Shri. Sairaj Dnyaneshwar Todkar	B.Sc. III
3.	Ms. Ankita Avinash Londe	B.Sc. III
4.	Shri. Aditya Krishnat Gurav	B.Sc. III



HEAD

Department of Electronics
Yashwantrao Chavan College of Science,
Karad



Principal

Yashwantrao Chavan College of Science, Karad

Certificate

This is to certify that **Miss Harshani Nivas Dubal**, Yashwantrao Chavan College of Science, Karad, successfully completed **48 hours** of on-the-job training on **3D printing technology** at Innvohub Systems Private Ltd. between **May 15, 2023, and May 20, 2023.**

During the period, we found her conduct to be **good.**

We wish her success in the future.

For Innvohub Systems Private Ltd

For INNOVHUB SYSTEMS PVT. LTD



Director



Dept of Electronics



Principal

Yashwantrao Chavan College of Science, Karad

Certificate

This is to certify that **Shri Sairaj Dnyaneshwar Todkar**, Yashwantrao Chavan College of Science, Karad, successfully completed **48 hours** of on-the-job training on **3D printing technology** at Innovhub Systems Private Ltd. between **May 15, 2023, and May 20, 2023**. During the period, we found his conduct to be **good**.


We wish his success in the future.

For Innovhub Systems Private Ltd

For INNOVHUB SYSTEMS PVT. LTD.


Director



Dept of Electronics

Principal
Yashwantrao Chavan College of Science, Karad

Certificate

This is to certify that **Miss Ankita Avinash Londe**, Yashwantrao Chavan College of Science, Karad, successfully completed **48 hours** of on-the-job training on **3D printing technology** at Innvohub Systems Private Ltd. between **May 15, 2023, and May 20, 2023.**

During the period, we found her conduct to be **good.**

We wish her success in the future.

For Innvohub Systems Private Ltd

For INNOVHUB SYSTEMS PVT. LTD.



Director



Dept of sleepbowing
26/5/23

Principal

Yashwantrao Chavan College of Science, Karad

Certificate

This is to certify that **Shri Aditya Krishnat Gurav**, Yashwantrao Chavan College of Science, Karad, successfully completed **48 hours** of on-the-job training on **3D printing technology** at Innovhub Systems Private Ltd. between **May 15, 2023, and May 20, 2023.**

During the period, we found his conduct to be **good**.

We wish his success in the future.

For Innovhub Systems Private Ltd

For INNOVHUB SYSTEMS PVT. LTD.



Director



Dept. of electronics



Principal
Yashwantrao Chavan College of Science, Karad

Estd. 1958

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YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO.: RQ91/5237

LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad
&**

**Srushti Agro Export, Plot No C8, MIDC, Kadegaon, Tal-
Kadegaon, Dist- Sangli.**

Linkage is signed on 10th January 2023 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad** (First Party) and **Srushti Agro Export, Plot No C8, MIDC, Kadegaon, Maharashtra.** (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 10th January 2023

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Srushti Agro Export, Plot No C8, MIDC, Kadegaon, Maharashtra
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Anil Arandrao More
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Shri Pundlik Tukaram More Founder & Chairman
Seal		

CERTIFICATE

This is to certify that the following students of B.Sc. III (Chemistry Department) of Yashwantrao Chavan College of Science, Karad have completed their Industrial Training under mentorship of my firm dated from 02/02/2023 to 11/02/2023 during the academic year 2022-2023 as partial fulfillment of the B.Sc. (Chemistry) course.

Roll Number	Name of the Student
3021	DESAI SHIVANI DILIPKUMAR
3022	DESHMUKH KOMAL VISHWANATH
3023	DESHMUKH MADHURI MAHADEV
3024	DESHMUKH SHRIKANT BHASKAR
3025	DHEB RUPALI NATHURAM
3026	GHADAGE OMKAR MARUTI
3027	GAIKWAD TEJAS ANANDRAO
3028	GAIKWAD VIKRANT LAXMAN
3029	GHOLAP HARISH ANKUSH
3030	GHUTUKADE CHHAGAN RAGHUNATH

This certificate of completion is granted on 11/02/2023



Estd. 1958

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Shri Shivaji Education Society Karad, Board For Higher Education's



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B⁺ Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO.: RQ91/5237

LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad
&**






**Vanashri Milk Product Pvt. Ltd., Hanmantnagar, Chinchani
(Ambak), Tal- Kadegaon, Dist- Sangli.**

Linkage is signed on 10th January 2023 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party)** and **Vanashri Milk Product Pvt. Ltd. Hanmantnagar, Chinchani (Ambak), Tal- Kadegaon, Dist- Sangli. (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 10th January 2023

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Vanashri Milk Product Pvt. Ltd., Hanmantnagar, Chinchani (Ambak), Tal- Kadegaon, Dist- Sangli.
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Shri Sagar Subhroo Mahadik Secretary
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Shri Subhroo Rangunath Mahadik Managing Director
Seal		वनश्री मिilk प्रॉडक्ट चिंचना (अं.)

CERTIFICATE

This is to certify that the following students of B.Sc. III (Chemistry Department) of Yashwantrao Chavan College of Science, Karad have completed their Industrial Training under mentorship of my firm dated from 02.02.2023 to 11.02.2023 during the academic year 2022-2023 as partial fulfillment of the B.Sc. (Chemistry) course.

Roll Number	Name of the Student
3010	BHOSALE SUSHANT SHUBHASH
3011	CHAVAN ABHIJEET RAJESH
3012	CHAVAN ABHISHEK SHANKAR
3013	CHAVAN AMISHA MAHADEV
3014	CHAVAN DARSHANA RAJARAM
3015	CHAVAN GANESH SHANKAR
3016	CHAVAN SAYALI MANIK
3017	CHAVAN SWAPNIL NAGESH
3018	CHAVAN VARSHARANI RAJENDRA
3019	CHORAGE MAYA SAMBHAJI

This certificate of completion is granted on 11-02-2023



धनश्री विल्क प्रॉडक्ट
चिंचणी (अं.)

Estd. 1958



|| Be One with the downtrodden and the underprivileged ||
Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 Fax : 02164-271356, e-mail : prinyccsk@gmail.com

Reaccredited B⁺⁺ Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref. No.

Date: 11/01/2023

Umbrella Memorandum of Understanding

Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA

And

INSTA VISION LABORATORIES AND SERVICES, SATARA, DIST- SATARA

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B.Sc.- Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
8. Any other areas of co-operation as agreed to by the Parties from time to time.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.

II. Obligations of the Parties

To implement the MOU the parties commit themselves to provide necessary conditions:

- 2.1. Both sides will maintain ongoing communication and circulate essential information in a timely manner.
- 2.2. Both parties agree that all financial agreements necessary to implement this MOU must be negotiated and will depend upon the availability of funds. Neither institution shall have any financial obligation to the other institution based on this Agreement.
- 2.3. Realization of separate concrete research projects within the frames of the MOU will be stipulated in separate, Specific Agreements.

III. Term and Order of Action

3.1 This MOU will become effective upon the date of signature by the representatives of the institutions and, if applicable, approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MOU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MOU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.

4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyanagar Karad-415124	INSTA VISION LABORATORIES AND SERVICES , 89, Raviwar Peth, Near Venutai B Ed College, Satara, 415001. Dist- Satara, Maharashtra, India

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st

.....

Authority Name: **Dr. S. B. Kengar**

Seal of the Institute:



Party 2nd

.....

Authority Name: **Mr. Ajit Ekal**

Seal of the Institute:



Estd. 1958



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Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

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Reaccredited B⁺⁺ Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad
&**

**Sahyadri Sahakari Sakhar Karkhana Ltd.,
Yashwantnagar, Tal- Karad.**

Linkage is signed on 11th January 2023 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad** (First Party) and **Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Tal- Karad.** (Second Party). It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 11th January 2023.

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Sahyadri Sahakari Sakhar Karkhana Ltd., Yashwantnagar, Tal- Karad.
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Shri Pradip Ramchandra Yadav General Manager
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Shri Aabasaheb Jotiram Patil Managing Director
Seal		

Estd. 1958



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Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com

UDISE Code - 27310207715

Index No. J 21.02.002

Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

RefNo. : / Biochem /2022-23

Date: - 14/04/2023

To,

**The Managing Director,
Sahyadri Sahakari Sakhar Karkhana Ltd.,
Yashwantnagar, Karad.**

Subject: - Educational visit of B.Sc. Part - II Biochemistry students.

Sir,

As a part of educational tour a group of B.Sc. Part II Biochemistry students Twenty one (21) from this college accompanied by their teachers (2) wish to visit your industry on **Thursday, 18th April 2023**

I request you to kindly grand them permission to visit alcohol industry and waste treatment plant in your industry.

Thanking you,

Teacher in charge

Principal

Principal
Yashwantrao Chavan College
of Science, Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

B.Sc.II –Study Tour

Date- 14/04/2023

The students of B.Sc. II (Biochemistry) are here by informed that one day's study tour is arranged to Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar. on 18/04/2023.

All should come with Identity card, note book & pen. Study tour is Compulsory as per university syllabus.

All concerned should note follows.



Course Co-ordinator,

Department of Biochemistry



Yashwantrao Chavan College of Science, Karad
Department Of Chemistry

STUDY TOUR PROGRAMME

Year 2022 -2023

LAB/F-17

CLASS: B.sc. II

TOTAL NUMBER OF STUDENTS: 21

DATE OF STUDY TOUR: 18/04/2023

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPAINING: Mr.S.H. Burugale

Miss Panwal N.R.

DATES & TIME OF DEPARTURE FROM KARAD: 18/04/2023 Time- 10 am

DATES & PLACES OF VISIT :

1. Arrival to Sahayadri Sakhar Kharkhana
2. Visit to distillary
3. Visit to ETP

DATE & TIME OF ARIVAL AT KARAD:-18/04/2023 Time-6 pm

Teacher In- Charge

ABP


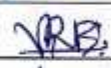
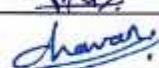

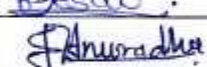
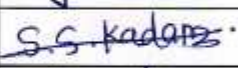
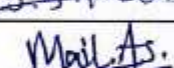
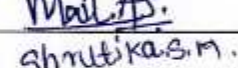
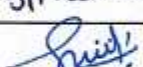
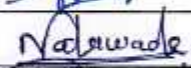
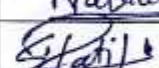
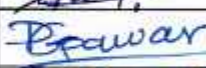
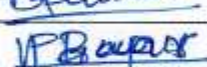
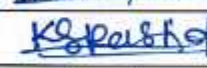
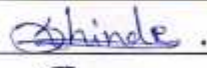


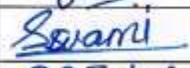
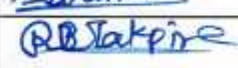
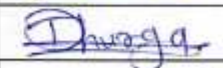
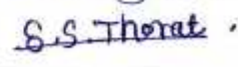
[Signature]
Head
Dept of Chemistry
Head
Department of Chemistry
Yashwantrao Chavan College of
Science, Karad

[Signature]
Chairmn
Tour committee



Department of Chemistry and Biochemistry

B.Sc. II Study tour 2022-2023

Sr no	Roll No	Name of student	Student sign
1	2311	Bhintane Tanmay Suyog	
2	2312	Bodhagire Vikram Ravso	
3	2313	Chavan Pradnya Rajendra	
4	2314	Desai Shantanu Kantilal	
5	2315	Jagtap Anuradha Ashok	
6	2316	Kadam Sujata Sanjay	
7	2317	Mail Ashrani Satish	
8	2318	Mane Shrutika Suresh	
9	2319	Mulla Mohasina Mahammad	
10	2320	Nalawade Atul Dharmaraj	
11	2321	Patil Shambhuraj Vishwas	
12	2322	Pawar Prerana Ganesh	
13	2323	Pawar Vaishnavi Bapuso	
14	2324	Shaikh Karina Rashid	
15	2325	Shinde Avinart Ashok	
16	2326	Shinde Sanket Ashok	
17	2327	Sutar Sujit Anil	
18	2328	Swami Shreyas Dattatray	
19	2329	Takpire Rushabh Balu	
20	2330	Thorat Durga Amarsinh	
21	2331	Thorat Sanjvani Santaji	



Yashwantrao Chavan College of Science, Karad

Department Of Chemistry

STUDY TOUR REPORT

Year 2022- 2023

CLASS: B.Sc . II

LAB/F-18

TOTAL NUMBER OF STUDENTS: 21

DATES OF STUDY TOUR: : 18/04/2023

PLACES OF VISIT: Sahyadri Sahakari sakhar karkhana Ltd, Yashwantnagar.

MODE OF JOURNY: Private traveller BUS

NAMES OF THE TEACHERS ACOMPANYING: Mr.S.H. Burugale

Miss N.R Panwal

DATES & TIME OF DEPARTURE FROM KARAD: 18/04/2023 Time- 10 am

DATES & PLACES OF VISIT:

DATE OF VISIT	PLACE OF VISIT	HIGHLIGHTS OF VISIT
10/06/2022 Time- 10 am	Visit to Distillary	Actual Process of fermentation
10/06/2022 Time- 2 pm	Visit to ETP	Effluent Treatment plant
10/06/2022 Time – 4pm	Visit to Yeast Propagation unit	Clarifier, Aeration test

DATE & TIME OF ARIVAL AT KARAD: 18 /04/2023 Time-6 pm


Teacher in- Charge


Head
Dept of Chemistry
Head
Department of Chemistry
Yashwantrao Chavan College of
Science, Karad


Chairmn
Tour committee



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Study Tour Report 2022-2023
(18/04/2023)

- 1) Name of the department :- Biochemistry
- 2) Class & subject for which tour is arranged :- B.Sc.II Biochemistry
- 3) No. of students accompanying :- 21
- 4) Place of visit and approximate distance
 - Distance Of traveling :- 10
 - Place :- Yashwantnagar
 - Total distance :- 20
- 5) Date of departure and arrival.
 - a) Departure from karad (05 jan) :- 10am
 - b) Arrival at Sahyadri Sahakari Sakhar karkhana Ltd, Yashwantnagar.(09 jan) :- 11am
 - c) Arrival at karad :- 6pm
- 6) Mode of Journey :- Hired vehical
- 7) Name of the Staff :- Mrs. Panwal.N.R





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Reaccredited B** Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Ref. No.

Date: 12/01/2023

Umbrella Memorandum of Understanding

Memorandum of Understanding

Between

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA
And
BHARATI VIDYAPEETH'S, MATOSHRI BAYABAI SHRIPATRAO KADAM KANYA
MAHAVIDYALAYA, KADEGAON, SANGLI

Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B. Sc. -Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
8. Any other areas of co-operation as agreed to by the Parties from time to time.

Before proceeding with any such activities, the parties shall discuss whether it is advisable to enter into a Specific Agreement that includes additional terms and conditions regarding costs, intellectual property, liability, and other matters as the circumstances may require.

II. Obligations of the Parties

To implement the MOU the parties commit themselves to provide necessary conditions:

- 2.1. Both sides will maintain ongoing communication and circulate essential information in a timely manner.
- 2.2. Both parties agree that all financial agreements necessary to implement this MOU must be negotiated and will depend upon the availability of funds. Neither institution shall have any financial obligation to the other institution based on this Agreement.
- 2.3. Realization of separate concrete research projects within the frames of the MOU will be stipulated in separate, Specific Agreements.

III. Term and Order of Action

3.1 This MOU will become effective upon the date of signature by the representatives of the institutions and, if applicable, approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MOU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MOU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.

4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

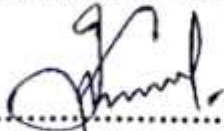
The MOU is written and signed in four copies having equal force, each party receiving two copies for the record.

VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyanagar Karad-415124	BHARATI VIDYAPEETH'S MATOSHRI BAYABAI SHRIPATRAO KADAM KANYA MAHAVIDYALAYA, KADEGAON, SANGLI Dist- Sangli 415304 Maharashtra, India

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st



Authority Name: **Dr. S. B. Kengar**

Seal of the Institute:



Party 2nd



Authority Name: **Prof. (Dr.) V. Y. Kadam**

Seal of the Institute: **i/c. Principal**

**B.V.M.B.S.K. Kanya Mahavidyalaya
Kadegaon. Dist. Sangli**



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Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

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LINKAGE



**Department of Chemistry,
Yashwantrao Chavan College of Science, Karad**

&




**Department of Chemistry,
Dr. Daulatrao Aher College of Engineering, Karad.**

Linkage is signed on 12th January 2023 between **Department of Chemistry, Yashwantrao Chavan College of Science, Karad (First Party)** and **Department of Chemistry, Dr. Daulatrao Aher College of Engineering, Karad (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 12th January 2023

Party	First Party	Second Party
Institute	Department of Chemistry, Yashwantrao Chavan College of Science, Karad	Department of Chemistry, Dr. Daulatrao Aher College of Engineering, Karad
Signature		
Name & Designation	Prof. (Dr.) S. H. Burungale Head, Department of Chemistry	Prof. V. B. Suryawanshi Head, Department of Chemistry
Signature		
Name & Designation	Dr. S. B. Kengar Principal	Dr. A. M. Mulla Principal
Seal		



Estd. 1958

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Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

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Reaccredited B⁺ Level by NAAC, Bangalore

AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO.: RQ91/5237

Ref. No.

Date: 13/01/2023

Umbrella Memorandum of Understanding Memorandum of Understanding

Between

**YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT-
SATARA**

And

**ASSURA PHARMA TRAINING INSTITUTE, SPHURTI CHOWK, VISHRAMBAG,
SANGLI** Both the above mentioned parties wishing to develop friendly and cooperative relations in the fields of education and research have agreed to establish the present Memorandum of Understanding (MOU).

I. Subject of the Agreement

Both parties agree to explore the following general forms of cooperation:

1. Collaborative research and project work.
2. Industrial training and sponsored projects for M.Sc and B. Sc. -Chemistry students
3. Joint organization of workshop and seminars on the topics of common interest.
4. Guidance and cooperation to the Department of Technology in its Training & Placement activities.
5. Consultancy and exchange of knowhow on charge basis.
6. Mutual cooperation in developmental work.
7. Extending the help and mediation for any other collaboration in the educational and technology area on charge basis.
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III. Term and Order of Action

3.1 This MOU will become effective upon the date of signature by the representatives of the institutions and, if applicable, approval by appropriate authorities.

3.2. Either party wishing to make changes or terminate the MOU shall notify the other partner in writing of such intentions no later than three months before the suggested changes should go into effect.

3.3. Each party reserves the right to unilaterally terminate the MOU should the other partner fail to fulfill its responsibilities as stated herein.

IV. Responsibilities of the Parties

4.1 Each party acts on its own behalf in all relations with a third party. Neither party will be responsible for any outside commitments of the other party.

4.2 The parties shall remain independent of one another and nothing herein shall be construed or interpreted, by implication or otherwise, to form a partnership, agency, joint venture or other formal business association.

4.3 Both institutions subscribe to the policy of equal opportunity and do not discriminate on any basis, including but not limited to race, caste, sex, age, ethnicity, religion, or national origin.

V. Signatures

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VI. Legal Addresses of the Parties

Party 1 st	Party 2 nd
YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD, DISTRICT- SATARA- Vidyanagar Karad-415124	ASSURA PHARMA TRAINING INSTITUTE, SPHURTI CHOWK, VISHRAMBAG, SANGLI 416415

SIGNATURES OF THE PARTIES WITH DATE:

Party 1st



Authority Name: **Dr. S. B. Kengar**

Principal

Seal of the Institute:



Party 2nd



Authority Name: **Mr. Prashant B. Diwan**

Director

Seal of the Institute:





ASSURA PHARMA TRAINING INSTITUTE

Web : www.assura.net.in

Contact : 9922007628


Email : assura_pharma@yahoo.com / assura.pharma@gmail.com

CERTIFICATE

This is to certify that the following students of M.Sc. II (Department of Chemistry) of Yashwantrao Chavan College of Science, Karad have completed their Project under mentorship of my firm dated from 06/02/2023 to 15/02/2023 during the academic year 2022-2023 as partial fulfillment of the M.Sc. (Chemistry) course.

Sr. No.	Name of the Student
01	MR. SHETE AVADHUT AJIT
02	MR. NIKAM AKSHAY ASHOK
03	MR. ANUSE DIGVIJAY DIPAK
04	MR. DUGANE DHANANJAY SADASHIV
05	MR. SHINDE SHUBHAM SHIVAJI

This certificate of completion is granted on 15/02/2023


Mr. Prashant B. Diwan
Director
Assura Pharma Training Institute



Address : Pranjali Apartment, 3rd Floor, Sphurti Chowk, Vishrambag, Sangli - 416 415.



Shri. A. V. Patil
Secretary

Shri. R. V. Patil
President

LINKAGE



Yashwantrao Chavan College of Science, Karad



Shri Yashwantrao Patil Science College Solankur,

Linkage is signed on 08th Feb 2023 between **Yashwantrao Chavan College of Science, Karad (First Party)** and **Shri Yashwantrao Patil Science College Solankur, (Second Party)**. It is agreed by First party and Second party to impart student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of student exchange, guest lectures, study tours, instrument training and research to the students and to organize conference/seminars jointly.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.
- 4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set this hands on the 08th Feb 2023

Party	First Party	Second Party
Institute	Yashwantrao Chavan College of Science, Karad	Shri Yashwantrao Patil Science College Solankur.
Signature		
Name & Designation	Dr.G.G.Potdar Head, Department of Botany	Dr. S.V..Madhale Head, Department of Botany
Signature		
Name & Designation	Dr.S. B. Kengar Principal Principal,	Dr. G.G.Chougale Principal PRINCIPAL Shri Yashwantrao Patil Science College, Solankur, Tal. Radhanagari, Dist. Kolhapur.
Seal	Yashwantrao Chavan College of Science, Karad. 	

NK Institute of Technology registered under the partnerships act, (Hereinafter called **NKIT**) having their registered office at **Plot No 3 Central Railway Colony, Omkar Nagar, Nagpur 440027** envisages partnering with reputed Corporate/Industries/Employers with manpower requirement to facilitate skill development trainings of economically and socially disadvantaged youth in the state and assist them in placements.

And

Training Center having their registered office at **Karad-Masur Road, Vidyanagr-415124** (Hereinafter called the "**Training Center**" which expression shall unless repugnant to the context thereof shall mean and include its administrators, successors, heirs and assigns) of the other part

This MoU between **NKIT** and **Training Center** assigns herewith on Tenth of February Two Thousand Twenty-Three (10/02/2023). By Pawan Khamgaonkar, Authorised Representative on behalf of **NKIT** and, for organizing the Skill Development training programs. **Yashwantrao Chavan College of Science, Karad** have submitted proposal for empanelment of firms for implementing the training programs as per proposal on the basis of the terms and conditions mentioned below.

Training Center has agreed to impart skills development training/s to only Unemployed Youth as per details mentioned in the proposal submitted by **Training Center**. **Training Center** to ensure that all the trainees selected in the batch are unemployed and domicile of Maharashtra.

Training Center has agreed to impart skills development training/s under EMPLOY / TRAIN & EMPLOY to unemployed youth as per details mentioned in the norms.

TRAIN & EMPLOY

1) Mobilization

- a) **Training Center** to do mobilization of the candidates and submit the details of the candidates like Caste certificate, Candidates form, Aadhar card etc.
- b) Mobilized and selected candidates should not be less than 18 years of age as on start date of training.
- c) **The candidates should be selected only subject to their eligibility regarding caste certificate & benefit of state of Maharashtra.**
- d) The primary selection of candidates for the skill development training/s will be done by **Training Center**, however **NKIT** will also supervise the selection process. **Training Center**, shall submit the details of all the candidates to **NKIT** before 15 days of start of the training.
- e) **Training Center** to check the aptitude of the candidates by conducting aptitude test, eligibility test, psychometric test etc. before selecting them to ensure that they adhere to terms and conditions of the employment without exiting.
- f) **Training Center** is expected to provide candidates with all possible information on the nature of work in the sector/trade, availability of jobs, potential pay and entitlements, growth prospects and risks involved, with the aim of helping candidates and their families make informed choices.
- g) Existing employees of **Training Center** are not eligible to participate in this scheme. In case any trainee is found to be employed with **Training Center** at the time of validation of trainees, then

strict action will be taken against Training Center which may also involve termination of the agreement.

2) Course Commencement

- a) Training Center shall start any course only after written confirmation has been received from NKIT.
- b) Infrastructure
 1. Training Center shall conduct the course at its authorized training centers only, approved by NKIT and star rating on SIP should be 4-5 stars.
 2. Training Center shall ensure that the training centers should have the minimum facilities like good classrooms (ventilated & sufficient light) equipment's, Lab, computers etc. for conducting training as per SIP Rating.
 3. Training Center has to inform NKIT in case of any change in higher authority of Firm, SPOC person, Name, Signature etc. immediately.
- c) Course Content
 1. Training Center shall ensure that the course material, syllabus, training schedule etc. are given to all the candidates immediately after the commencement of the course and should be as per latest NSQF standards
 2. Training Center shall ensure that all trainers deputed by them have the relevant education, experience and skill set for conducting the proposed training/s. In case the trainer/s are not up to the mark, or if NKIT received complaint/s against the trainer/s then the respective trainer/s should be replaced immediately.
(TOT should be mandatory).
 3. Training Center shall arrange time-to-time industrial visits and appropriate on the job training during the tenure of training as per the curriculum of the course.

3) Monitoring during Training

NKIT shall audit the training programs randomly by authorized persons and it's binding on Training Center to extend all support to NKIT. The Training Center will rectify any shortcomings observed during the visits on an immediate basis and inform NKIT accordingly.

4) Assessment & Certification

- a. Training Center shall ensure periodical internal assessment on progress of each candidate throughout the course duration for taking remedial measures.
- b. Training Center shall provide certificates to the trained candidates on last day or any convenient day of closing as agreed. The certificate should be provided in collaboration with Training Center and NKIT.
- c. For DEPT.OF SKILL DEVELOPMENT project, assessment will be conducted by Assessing body authorized by DEPT.OF SKILL DEVELOPMENT. (Like: SSC/MSCVTE/NCVT)

5) Attendance

Training Center shall take special efforts to ensure that each candidate is attending the training minimum 95% of working days in a month. Attendance records will be maintained in physical and **Blometric Attendance** submitted to **NKIT** not later than 4th day of the subsequent month in the prescribed format given by **NKIT**.

6) Placement

- a. Placement is defined as wage employment with significant increase over the minimum wage criteria as defined by the State and offered to the trainees who have been selected for the particular job role. Self-employment shall not be considered as placement in this context. **NKIT** will consider proof of employment such as offer letter by employer/appointment letter by employer/email confirmation by employer upon successful verification by **NKIT**. Salary component should be clearly mentioned in the proof of employment as listed above and it should conform to salary expectation as defined for placement.
- b. No payment shall be made for the candidates who dropout, opt out, reject the offer letter, go for higher education or self-employment. It is the responsibility of Training Center to train only those candidates who are interested in employment.
- c. Training Center shall adhere to placement, location of placement, minimum salary, incentives, stipend etc. for all candidates as per the details mentioned in Annexure-I.
- d. Training Center shall submit the copy of offer letter along with the "date of joining" given to the candidates to **NKIT** within one week after the acceptance of the offer by the candidates.
- e. After completion of training, Training Center shall give placement within 1 month, If, placement given after 1 month, it will not be considered as placement.

7) Post Placement Tracking

Training Center shall maintain the record of all placed candidates who have been successfully placed for a period of 6 month from the date of joining and provide relevant information to **NKIT** like Bank Statements of candidate's account where he/she received salary from employer. Also provide career plan, employer's feedback etc.

8) Financial Terms and Conditions –

Training Center will be incentivized for placing the candidates on the following terms and conditions and per the details mentioned

College / Institute Infrastructure ₹1500/-Per Student

Hostel: ₹2000/-Per Student

The pay will settle After the Completion of training, assessment and certification of successful candidates.

9) Other Terms and Conditions

- a. For DEPT.OF SKILL DEVELOPMENT Inspection and Empanelment any of the fees government fees will be borne by the Training Center.
- b. This MOU is valid for Two Academic years from the date of signing of this MoU. This MoU can be amended, modified, scope can be increased or additional terms and conditions can be added with mutual consent of both the parties. **NKIT** may extend terms of this MoU based on the performance after mutual discussions between parties.
- c. That **NKIT** will not be responsible in any manner for any event of misconduct or damage/wastage/loss/natural calamities of property by students, in or outside the premises of Training Center.
- d. That the Training Center will not bypass **NKIT** for the purpose of offering these Government sponsored programmes directly or indirectly for courses/programmes being offered by **NKIT** and will not communicate directly to any Government body or controlling body. In Case of such activity training center have to face legal action from **NKIT**
- e. That the Training Centre shall transfer any type of Assessment fee/Training Fee/ any other fee payable to government body/ governing body/, directly to account of concerned body/ **NKIT** as per the communication from **NKIT**.

10) Dispute Resolution and Arbitration


- a. In case of dispute there shall be an arbitration committee comprising of representative/s nominated by chairperson, **NKIT** and representative/s nominated by Training Center. The decision of the arbitration committee shall be binding on both the parties.
- b. In case of any dispute between the parties, jurisdiction of court will be in Nagpur only.

11) Term and Termination

- a. **NKIT** may terminate or suspend this agreement in whole or in part for any material breach committed by Training Center under this agreement. Any portion of this agreement that is not terminated or suspended shall remain in force and effect. However the **NKIT** shall provide a prior written notice of one week and an opportunity of being heard to Training Center before termination of this agreement.
- b. That the **NKIT** shall not be liable for any loss or damages (direct, indirect or inconsequential) incurred by the Training Center by virtue of termination of this agreement.
- c. This MoU is for only for association purpose in this **NKIT** is having whole authority to give SKILL DEVELOPMENT batches to Training Center. Before starting batch Training Center will need to take written confirmation from **NKIT**. Without any written confirmation from **NKIT** if any batch is started then **NKIT** will not be liable to pay for that batch.

12) Miscellaneous

- a. Any modification/amendments to this agreement can only be made in written and signed by both parties.
- b. This agreement restrict Training Center from participating in similar activity with other private or public agencies, organizations and individuals.
- c. Chairperson, NKIT will take the final decision whether to continue working on further project.


NK Institute of Technology

Representative: Pawan Khamgaonkar

Position: TC Head


Mobile: 9422203476

E-mail: khamgaonkarpawan@gmail.com

Date: 10/2/2023

Signature & Seal




College Name:

Representative: **Principal**

Yashwantrao Chavan College of Science
Position: Karad

Mobile:

E-mail:

Date: 10/2/2023

Signature & Seal



Hon. Yashwantrao Chavansaheb
Founder



Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

02164 - 271356, 271357 e-mail : prinyccsk@gmail.com website : www.yccskarad.com

UDISE Code - 27310207715 Index No. - J 21.02.002

Hon. P. D. Patilsaheb
President up to 17th September 2008

Reaccredited B** Level by NAAC, Bangalore
AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Dr. Suryakant Babu Kengar
Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil
President,
Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla
General Secretary,
Shri Shivaji Education Society's, Board for Higher Education, Karad

Department of Computer Science

Departmental Activity

2023-24

Name of Activity :- One Day Workshop
Name of the Topic :- Skill Development
Guest : :- Dr. Anant Awsare, Miss.Snehal Warekar,
Mr. Amol Jagtap, Dr. Jayant Pawar
Date & Time :- 26/07/2023 11:00 am

Index

Sr. No.	Documents
1.	One Page Report Activity
2.	Full Report of the Activity
3.	Correspondence
4.	Table of the Program
5.	Attendance
6.	Certificate
7.	Feedback
8.	Feedback Analysis
9.	Program Photographs

Signature

Head of the Department

Head

Department of Computer Science
Yashwantrao Chavan College of Science
Karad

Principal


Principal

Yashwantrao Chavan College of Science
Karad




Yashwantrao Chavan College of Science, Karad

ACTIVITY REPORT 2023-24

Name of the Department: Computer Science	Date and Time of activity: 26-07-2023,11:00 am
Name of the Activity:	One Day Workshop on- "Skill Development"
Chief Guest:	Dr. L. G. Jadhav Principal, Venutai Chavan College, Karad
Invited Speaker:	Dr. Anant Awasare Assistant Professor, Dr. Daulatrao Aher College of Engineering, Karad
	Miss. Snehal Warekar Assistant Professor, Shikshan Maharshi Bapuji Salunkhe Mahavidyalaya, Karad
	Mr. Amol Jagtap Assistant Professor, Rajarambapu Institute of Technology, Islampur
	Dr. Jayant Pawar Krishna Institute of Nursing Sciences, Karad
Purpose of Program:	1.To provide participants with focused and practical training. 2.To enhance specific skill relevant to their personal growth.
No. of beneficiaries:	286
No. of Teachers Participated:	12
Outcomes / success achieved:	1.helps to participants understanding of specific skills, increased confidence and enhance practical abilities.
Program Photo:	


Signature
Co-Ordinator


Signature
Head of Department
Head
Department of Computer Science
Yashwantrao Chavan College of Science,
Karad


Co-Ordinator
Internal Quality Assurance Cell (IQAC),
Yashwantrao Chavan College
of Science, Karad


Principal
Principal
Yashwantrao Chavan College of Science
Karad



**YASHWANTRAO CHAVAN
COLLEGE OF SCIENCE, KARAD
DEPARTMENT OF COMPUTER SCIENCE**

**Report of the Activity
One day workshop on- "Skill Development"**

The inaugural function of workshop on- "Skill Development" was scheduled on 26th July 2023 started at 11:00 am by the auspicious hands of Honorable Shri. Altaf Hussain Mulla, General Secretary Shri Shivaji Education Society, Vidyanagar, Karad, Honorable Shri. Arun Patil (Kaka), Trustees and Members, Shri Shivaji Education Society, Vidyanagar, Karad and Chief Guest Principal. (Dr.) L.G. Jadhav, Venutai Chavan College, Karad, President Principal (Dr.) S. B. Kengar, Yashwantrao Chavan College of Science, Karad along with Dr. G.A. Kadam Head of the Department of Computer Science and staff members. The function was organized by Department of computer science students.

At the beginning of function, welcome speech on half of Department of computer science was given by Dr. G. A. Kadam sir. In the speech they highlight the points necessity of induction program in free skill development course, information of skill development course.

The function was followed by felicitation of Presence Honorable Shri. Altaf Hussain Mulla, General Secretary Shri Shivaji Education Society, Vidyanagar, Karad, and Honorable Shri. Arun Patil (Kaka), Trustees and Members, Shri Shivaji Education Society, Vidyanagar, Karad, Chief Guest Principal. (Dr.) L.G. Jadhav, Venutai Chavan College, Karad, President Principal (Dr.) S. B. Kengar, Yashwantrao Chavan College of Science, Karad and Dr G.A. Kadam, HOD of the Department of Computer Science and Mr. Pawan Khamgaonkar, Head-Operations Vidhyarthi Mitra and his colleague Mr. Kiran Hiwale.

Principal. (Dr.) L.G. Jadhav. Share his experience about skill development and They guided our students about how to create our own path to complete our dreams.



In the presidential speech Principal (Dr.) S. B. Kengar highlighted the points require for the achieving our goals important of the skill for same and awareness of this workshop. The function was concluded with vote of thanks.

Several activities related to student were planned and conducted in "Skill Development Workshop". The whole day divided in to five sessions. The first session conducted by Dr. Anant Awsare day began with subject Robotics automation and future opportunities. Sir explained, how to create 3D models by using automation scripts, how robotics working in industries as well as day to day life etc.

The second section start at exact 12:30 p.m. and carried out up to 1:30 pm. In this session Miss. Snehal Warekar mam guide our students how to prepare for competitive exams. After the session completion lunch break of half hour was provided to students. The third section start at exact 2:00 p.m. and carried out up to 3:00 pm. The Mr. Amol Jagtap sir conducted the session on the topic Machine Learning and Python.

The fourth section start at exact 3:00 p.m. and carried out up to 4:00 pm without break. The Dr. Jayant Pawar conducted the session on the topic Financial Accounting and Digital Marketing-Social Media Marketing Strategy.

The last session of the day also conducted by the Mr. Pawan Khamgaonkar in same classroom in this session certificates are distributed to students. The last session carried up to the 5:00 p.m. after the completion of the fifth session respective teachers announce the end of the day of workshop.



|| Be One with the downtrodden and the underprivileged ||

Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD



Hon. Yashwantrao Chavansaheb
Founder



Hon. P. D. Patilsaheb
President up to 17th September 2008

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com website : www.yccskarad.com

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Dr. Suryakant Babu Kengar

Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No. 82/2023-24

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Date - 11/07/2023

To,

Hon. Dr. L. G. Jadhav.

Principal,

Venutai Chavan College, Karad

Subject: Invitation as Chief Guest for Inauguration of Workshop on "Skill Development".

Respected Sir,

We are organizing a Workshop for students on Wednesday July 26, 2023. I have the pleasure to invite you as Chief Guest for Inauguration. Kindly accept the invitation and grace us with your presence at the workshop. You are requested to guide the participants through your key note address. The program is attached herewith for your information. You are expected to reach our college by 11:00 a.m. on 26th July 2023.

Thanking you,



Yours sincerely,

Principal

Yashwantrao Chavan College of Science
Karad

O/c
[Handwritten initials]

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Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, MLA

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No. 82/2023-24

Date -11/07/2023

To,

Prof. Anant Awsare

Assistant Professor,

Dr. Ashok Gujar Technical Institute's

Dr. Daulatrao Aher College of Engineering, Karad

Subject – Invitation for Workshop on “Skill Development”.

Respected Sir,

On behalf of organizing committee of Department of Computer Science, Yashwantrao Chavan College of Science, Karad I am pleased to invite you as Speaker to deliver Workshop on “**Skill Development** “. On Wednesday 26th July 2023 at 11:00 am in the Yashwantrao Chavan College of Science, Lecture Hall No.1

We are pleased to invite you as Speaker for the workshop. You are requested to discuss the topic Robotics automation and future opportunities. You are requested to accept our invitation and oblige.

Thanking you,

o/c Anant Awsare



Yours Sincerely,

[Signature]

Principal

Yashwantrao Chavan College of Science
Karad

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Shri Shivaji Education Society Karad, Board For Higher Education's

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Dr. Suryakant Babu Kengar
Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No. **82** /2023-24

Date -11/07/2023

To,

Miss. Snehal Warekar.

Assistant Professor,

Shikshan Maharshi Babuji Salunkhe Mahavidyalaya, Karad

Subject - Invitation for Workshop on "Skill Development".

Respected Madam,

On behalf of organizing committee of Department of Computer Science, Yashwantrao Chavan College of Science, Karad I am pleased to invite you as Speaker to deliver Workshop on **"Skill Development "**. On Wednesday 26th July 2023 at 11:00 am in the Yashwantrao Chavan College of Science, Lecture Hall No.1

We are pleased to invite you as Speaker for the workshop. You are requested to discuss the topic preparation for competitive exams. You are requested to accept our invitation and oblige.

Thanking you,

o/c



Yours Sincerely,

Principal

Yashwantrao Chavan College of Science
Karad

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Shri Shivaji Education Society Karad, Board For Higher Education's

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Dr. Suryakant Babu Kengar

Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No. 82/2023-24

Date -11/07/2023

To,

Mr. Amol Jagtap.
Assistant Professor,
Rajarambapu Institute of Technology, Islampur

Subject – Invitation for Workshop on “Skill Development”.

Respected Sir,

On behalf of organizing committee of Department of Computer Science, Yashwantrao Chavan College of Science, Karad I am pleased to invite you as Speaker to deliver Workshop on **“Skill Development “**. On Wednesday 26th July 2023 at 11:00 am in the Yashwantrao Chavan College of Science, Lecture Hall No.1

We are pleased to invite you as Speaker for the workshop. You are requested to discuss the topic Learning machine and python. You are requested to accept our invitation and oblige.

Thanking you,

o/c
Jagtap



Yours Sincerely,

[Signature]
Principal

Yashwantrao Chavan College of Science
Karad

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Shri Shivaji Education Society Karad, Board For Higher Education's

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Dr. Suryakant Babu Kengar
Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No. 82 /2023-24

Date -11/07/2023

To,

Dr. Jayant Pawar.
Assistant Professor,
Krishna Institute of Nursing Sciences, Karad

Subject – Invitation for Workshop on “Skill Development”.

Respected Madam,

On behalf of organizing committee of Department of Computer Science, Yashwantrao Chavan College of Science, Karad I am pleased to invite you as Speaker to deliver Workshop on “**Skill Development** “. On Wednesday 26th July 2023 at 11:00 am in the Yashwantrao Chavan College of Science, Lecture Hall No.1

We are pleased to invite you as Speaker for the workshop. You are requested to discuss the topic financial accounting/Digital Marketing-social media marketing strategy. You are requested to accept our invitation and oblige.

Thanking you,

o/c
Jayant Pawar



Yours Sincerely,

[Signature]

Principal

Yashwantrao Chavan College of Science
Karad

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President up to 17th September 2008

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AN ISO 9001-2015 CERTIFIED COLLEGE REG. NO. : RQ91/5237

Dr. Suryakant Babu Kengar

Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No.105/2023-24

Date -26/07/2023

To,

Hon. Dr. L. G. Jadhav.

Principal,

Venutai Chavan College, Karad

Subject – Letter of Appreciation....

Respected Sir,

We are very much thankful to you for accepting our invitation and sharing your time and sharing your intellectual thoughts with the delegates in the **One Day Workshop on Skill Development**.

We mention sincere thanks for being with us as Chief Guest.

Thanking you,

Yours Sincerely,

Principal

**Yashwantrao Chavan College of Science
Karad**



o/c
Huss

|| Be One with the downtrodden and the underprivileged ||

Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD



Hon. Yashwantrao Chavansaheb
Founder



Hon. P. D. Patilsaheb
President up to 17th September 2008

Vidyanagar, KARAD - 415 124 Dist. Satara (Maharashtra)

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com website : www.yccskarad.com

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Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No.105/2023-24

Date -26/07/2023

To,

Prof. Anant Awsare

Assistant Professor,

Dr. Ashok Gujar Technical Institute's

Dr. Daulatrao Aher College of Engineering, Karad

Subject – Letter of Appreciation....

Respected Sir,

We are very much thankful to you for accepting our invitation and sharing your time and sharing your intellectual thoughts with the delegates in the Workshop on **“Skill Development “**.

We mention sincere thanks for being with us as resource person.

Thanking you,

o/c
Anant Awsare



Yours Sincerely,

[Signature]
Principal

Yashwantrao Chavan College of Science
Karad

|| Be One with the downtrodden and the underprivileged ||

Shri Shivaji Education Society Karad, Board For Higher Education's

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Dr. Suryakant Bapu Kengar

Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No. **105/2023-24**

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Date -26/07/2023

To,

Miss. Snehal Warekar

Assistant Professor,

Shikshan Maharshi Bapuji Salunkhe Mahavidyalaya, Karad

Subject – Letter of Appreciation....

Respected Madam,

We are very much thankful to you for accepting our invitation and sharing your time and sharing your intellectual thoughts with the delegates in the Workshop on **“Skill Development “**.

We mention sincere thanks for being with us as resource person.

Thanking you,

o/c Snehal



Yours Sincerely,

[Signature]
Principal

Yashwantrao Chavan College of Science
Karad



II Be One with the downtrodden and the underprivileged II
Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD



Hon. Yashwantrao Chavansaheb
Founder

☎ 02164 - 271356, 271357 e-mail : prinyccsk@gmail.com website : www.yccskarad.com

Hon. P. D. Patilsaheb
President up to 17th September 2008



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Dr. Suryakant Bapu Kengar
Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil
President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No. 105/2023-24

Hon. Altafhusen Nasiruddin Mulla

General Secretary,
Shri Shivaji Education Society's, Board for Higher Education, Karad

Date -26/07/2023

To,

Mr. Amol Jagtap
Assistant Professor,
Rajarambapu Institute of Technology, Islampur

Subject – Letter of Appreciation....

Respected Sir,

We are very much thankful to you for accepting our invitation and sharing your time and sharing your intellectual thoughts with the delegates in the Workshop on **“Skill Development “**.

We mention sincere thanks for being with us as resource person.

Thanking you,

o/c
Jagtap



Yours Sincerely,

[Signature]

Principal
Yashwantrao Chavan College of Science
Karad

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Shri Shivaji Education Society Karad, Board For Higher Education's

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Dr. Suryakant Babu Kengar

Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

Ref.No **105/2023-24**

Date -26/07/2023

To,

Dr. Jayant Pawar
Assistant Professor,
Krishna Institute of Nursing Sciences, Karad

Subject – Letter of Appreciation....

Respected Madam,

We are very much thankful to you for accepting our invitation and sharing your time and sharing your intellectual thoughts with the delegates in the Workshop on **"Skill Development "**.

We mention sincere thanks for being with us as resource person.

Thanking you,

o/c
Jayant Pawar

Yours Sincerely,

Principal

Yashwantrao Chavan College of Science
Karad

II Be One with the downtrodden and the underprivileged II

Shri Shivaji Education Society Karad, Board For Higher Education's

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD



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Hon. P. D. Patilsaheb
President up to 17th September 2008

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Dr. Suryakant Bapu Kengar

Principal

Hon. Shamrao Alias Balasaheb Pandurang Patil

President, **MLA**

Shri Shivaji Education Society's, Board for Higher Education, Karad

Hon. Altafhusen Nasiruddin Mulla

General Secretary,

Shri Shivaji Education Society's, Board for Higher Education, Karad

यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड व
वेणूताई चव्हाण कॉलेज, कराड यांच्या संयुक्त विद्यमाने
संगणकशास्त्र विभाग

कौशल्य विकास कार्यक्रमा अंतर्गत एकदिवशीय कार्यशाळा व मार्गदर्शनपर व्याख्यान
कार्यक्रम पत्रिका

- स्वागत व प्रास्ताविक :- डॉ.जी.ए.कदम,
संगणकशास्त्र विभागप्रमुख
- प्रमुख उपस्थिती :- मा.श्री.अल्ताफहुसेन मुल्ला
जनरल सेक्रेटरी,
श्री शिवाजी शिक्षण संस्था, विद्यानगर, कराडचे,
उच्च शिक्षण मंडळ, विद्यानगर, कराड
- प्रमुख उपस्थिती :- मा.श्री.अरुण पाटील (काका)
विश्वस्त व सदस्य,
श्री शिवाजी शिक्षण संस्था, विद्यानगर, कराडचे,
उच्च शिक्षण मंडळ, विद्यानगर, कराड
- प्रमुख पाहण्यांचे मनोगत :- डॉ.एल.जी.जाधव,
प्राचार्य,वेणूताई चव्हाण कॉलेज, कराड
- अध्यक्षीय मनोगत :- डॉ.एस.बी.केंगार
प्राचार्य, यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड
- आभार :- प्रा.व्ही.पी.धुमाळ
- सुत्रसंचालन :- कु.साक्षी भोसले (B.Sc.(CS Entire) Part -III)

वार व दिनांक :- बुधवार दि.२६/०७/२०२३

वेळ :- सकाळी ११:०० वाजता

स्थळ :- लेक्चर हॉल नं.०१ यशवंतराव चव्हाण कॉलेज ऑफ सायन्स, कराड



(Signature)
Head

Department of Computer Science
Yashwantrao Chavan College of Science,
Karad

YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

One day Wokshop 2023-24

Name of the Activity - "Skill Development wokshop"

Participant List

Date - 26/07/2023

Time - 11:00am onwards

Sr.No	Class	Name of the Student	Mobile Number	Signature
1.	BCS-II	Sutar Tejaswini kisan	7385762574	<i>[Signature]</i>
2.	BCS-II	Raut Vaishnavi sunil	9665162729	<i>[Signature]</i>
3.	BCS-II	Bhosale Shivani kishor	9322829726	<i>[Signature]</i>
4.	B.Com III	Phadatar Vaishnavi sanjay	8080227124	<i>[Signature]</i>
5.	B.Com III	Dange Sandhyarani Laxman	7066717657	<i>[Signature]</i>
6.	BBA I	RASIKA MADHUKAR JADHAV	9511221822	<i>[Signature]</i>
7.	BCS-II	Thorat Arpita Ramchandra	7666998275	<i>[Signature]</i>
8.	BCS-II	Gaikwad Sanika Nanaso	9322834025	<i>[Signature]</i>
9.	BCS-II	Gaikwad Saushthi Sadashiv	8554971587	<i>[Signature]</i>
10.	BCS-II	Kapurkar Sanika Sunil	9325540762	<i>[Signature]</i>
11.	BCS-II	Pavekar Pranali Dipak	8010955452	<i>[Signature]</i>
12.	BCS-II	Gurov Shradha Romesh	8767472041	<i>[Signature]</i>
13.	BCS-II	Jadhav Shrutij Gorakhnath	8421566075	<i>[Signature]</i>
14.	BCS-II	Pawar shruti chandrakant	7385201541	<i>[Signature]</i>
15.	BCS-II	Kadam Shradha Hemant	8956849045	<i>[Signature]</i>
16.	BCS-II	Patil Sakshi Sanjay	7385137720	<i>[Signature]</i>
17.	BCS-II	Suryawanshi Rutuja Savakag	7887406876	<i>[Signature]</i>
18.	BCS-II	Ingale Rutuja Yasant...	8767246346	<i>[Signature]</i>
19.	BCS-II	Patil Anuradha Sachin	8010924315	<i>[Signature]</i>
20.	BCS-II	Suryawanshi Saloni Nivas	9764158440	<i>[Signature]</i>
21.	Bsc-III	Jagtap Sanika Nivad	7823848910	<i>[Signature]</i>
22.	BCS-II	Sawant Shweta Baburao	8237547046	<i>[Signature]</i>
23.	BCS-II	Deshmukh Mansi Machindra	8010455708	<i>[Signature]</i>
24.	BCS-II	Jadhav Anushka Dipak	7057392565	<i>[Signature]</i>
25.	BCS-II	Kadam Anjali Dipak	9322501590	<i>[Signature]</i>
26.	BCS-II	Nalawade Diksha Bharat	8856044614	<i>[Signature]</i>
27.	BCS-III	Jadhav sanika Haridas	8169028394	<i>[Signature]</i>
28.	BCS-II	Thorat Shreya Sanjay	8180859441	<i>[Signature]</i>
29.	BCS-II	Mohite Shradha Pradip	9699433834	<i>[Signature]</i>



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

One day Wokshop 2023-24

Name of the Activity - "Skill Development wokshop"

Participant List

Date - 26/07/2023

Time - 11:00am onwards

Sr.No	Class	Name of the Student	Mobile Number	Signature
30	BCS-II	Pawar Madhavi Mansing	8308433933	Mpa
31	BSC.CS-II	Deshmukh Riya Tukaram	7840919771	R.D.Deshmukh
32	BSC.CS-II	Taglap Suhani Rajendra	9096274436	STaglap
33	BSC.CS-III	Pol Shradha vilas	7350239265	Shradha
34	BSC.CS-II	Deshmukh Vaishnavi Gunes	8010119545	Dmukh
35	BSC.CS-II	Lokare Dhanshree Ashok	7045643347	Lokare
36	BSC.CS-II	Bhosale Rutuja Sanjay	9175608315	R.S.Bhosale
37	BCS-II	Suryawanshi Shubhangi Shivaji	7059063613	Shubhangi
38	BCS-II	Pawar Pranoti Sambhaji	8669114835	Pawar
39	BCS-II	Pawar Aishwarya Ananda	7743994202	Aishwarya
40	BCS-III	Sawant Shivani Ajit	9022479856	Shivani
41	BCS-II	Kolekar Ashwini krushnadev	9373681148	Ashwini
42	BSC.CS-II	Pawar Pooja Ajit	7276962474	Pooja
43	BCS-II	Desai Asavari Suhos	9404404330	Asavari
44	BCS-II	Patil Vaishnavi sandeep	8010190408	Patil
45	BCS-II	Injekar Naveeli Nandkumar	9313527407	Naveeli
46	BSC-III	Jadhav Vaishnavi Sitaram	8421175375	Jadhav
47	BSC-III	Patil Ankita Ravindra	8678979251	Patil
48	BSC-III	Dale Purnva Anun	9175392179	Purnva
49	B.Sc-III	Yadav Shweta Sunil	9529972071	Shweta
50	B.Sc-III	Mandale Amruta Avinash	9373392277	Amruta
51	B.Sc-III	Shinde Asmita Nitin	9552192294	Asmita
52	B.Sc-II	Mandale Sudeshna Nilin	9209160789	Mandale
53	B.Sc-II	Jadhav Shruti Balaso	8208432946	S.B.Jadhav
54	BCS-II	Dhoble Tejuswini Uddhav	9096585709	Tejuswini
55	BCS-II	Dabhade Kalyani Vijay	9527863779	Dabhade
56	BCS-II	More Tanuja Mohan	8766691812	More
57	BCS-II	Konnur Vaishnavi Mahenda	8208390361	Konnur
58	BCS-II	Suryawanshi Shweta Pawar	7249008495	Shweta



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

One day Wokshop 2023-24

Name of the Activity - "Skill Development wokshop"

Participant List

Date - 26/07/2023

Time - 11:00am onwards

Sr.No	Class	Name of the Student	Mobile Number	Signature
59	BCS 2 nd	Parooze Vaibhavi Sachin	9960770791	<i>[Signature]</i>
60	BE(CSE)	Sutar Amruta Ramdas	7387888498	<i>[Signature]</i>
61	BE(Elect)	Sutar Piyush Prakash	8484038444	<i>[Signature]</i>
62	BCS 2 nd	Sapkal Bhavana Housemaid	9373885058	<i>[Signature]</i>
63	BCS 2 nd	Pisat Sanjana Arvind	9967897962	<i>[Signature]</i>
64	B.A. III	Mulla Alfiya Abubakar	7721958781	<i>[Signature]</i>
65	BCS 2 nd	Vishwakarma Sayali Surykhan	8080269491	<i>[Signature]</i>
66	BCS 2 nd	Tayade Sanjana Atulkumar	9850823077	<i>[Signature]</i>
67	BCS 2 nd	Yadav Vaishnavi Vitthal	7350268680	<i>[Signature]</i>
68	BCS 3 rd	Mandave Kalyan Vikas	8788769886	<i>[Signature]</i>
69	BCS 3 rd	Patil Pranali Rajiv	9022276411	<i>[Signature]</i>
70	Bsc 2 nd	Shiwadkar Minal Mohan	9022628030	<i>[Signature]</i>
71	BCS III	Bhosale Sakshi Vikas	8010172108	<i>[Signature]</i>
72	Bsc.cs III	Patil Shruti Sanjay	7972307597	<i>[Signature]</i>
73	BCS III	Mane Siddhi Ramchandra	7885749275	<i>[Signature]</i>
74	BCS III	Chavan Preerana Prakash	8483090928	<i>[Signature]</i>
75	B.com I	Mate Vaishnavi Vilca	8604109949	<i>[Signature]</i>
76	BCS III	Mohile Sanika Santosh	9059091473	<i>[Signature]</i>
77	Bsc.P.S III	Tigadale Sanika Ramchandra	9657395199	<i>[Signature]</i>
78	B.COM I	Mane Pooja Babaji	9112928138	<i>[Signature]</i>
79	BTech(CSE)	Nalqune Shrutika Dhananjay	7248920117	<i>[Signature]</i>
80	BCS III	Patil Pruthi Suryakant	9370398981	<i>[Signature]</i>
81	BCS III	Shinde Siddhi Shivaji	7796407347	<i>[Signature]</i>
82	BCS II	Patil Kiran Baban	8668516279	<i>[Signature]</i>
83	BCS III	Uhare Akash Hanmant	7763790865	<i>[Signature]</i>
84	BCS III	Shinde Pratik Sunil	8080658492	<i>[Signature]</i>
85	BCS III	Chavan Rohan Maruti	8767274943	<i>[Signature]</i>
86	BCS III	Chavan Aditya Shivaji	737895405	<i>[Signature]</i>
87	Bcs II	Tadhar Rohan Shivaji	7387226178	<i>[Signature]</i>



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

One day Wokshop 2023-24

Name of the Activity - "Skill Development wokshop"

Participant List

Date - 26/07/2023

Time - 11:00am onwards

Sr.No	Class	Name of the Student	Mobile Number	Signature
88	BCS II	Kumbhar Sahiraj Suhās	7249861637	<i>[Signature]</i>
89	BCS I	Kumbhar Rahul Dnyaneshwar	7796049832	<i>[Signature]</i>
90	BCSTI	Khanolkar Abhiraj Nannabh	9822092418	<i>[Signature]</i>
91	BCS II	Nalawade Gunesb Bhimrao	9561001274	<i>[Signature]</i>
92	BCSTI	Whaymore Mangal Vijay	9856586405	<i>[Signature]</i>
93	BCSTI	Shinde Rupesh Hinduram	9322731612	<i>[Signature]</i>
94	BCSTI	Waghmare Jagdish Anun	8862020196	<i>[Signature]</i>
95	BCS II	Kumbhar Onkar Ramchandra	9922768579	<i>[Signature]</i>
96	BCS II	Deshmukh Abhushan Sunil	9623435720	B.S.Deshmukh
97	BCSTI	Kanase shubham NIVAS	9263890822	S.N.Kanase
98	BCSTI	Kenjale pranav sunil	7083513071	<i>[Signature]</i>
99	BCSTI	Kadam Pranav Dnyaneshwar	9421172022	<i>[Signature]</i>
100	BSC.III	Mali Harsh Ajit	7378587067	<i>[Signature]</i>
101	BSC.III	sutar sujit Anil	7821088712	<i>[Signature]</i>
102	BCS III	Yewale sanket Dipak	9322432373	<i>[Signature]</i>
103	BCS III	singh akash shivprakash	7744872518	<i>[Signature]</i>
104	BSC II	Barge (Sahil) Shivaji	8767941593	<i>[Signature]</i>
105	BSC II	Gaikwad Sahil Sunil	9359709266	<i>[Signature]</i>
106	BSC II	Desai sahil Shamatao	7796926918	<i>[Signature]</i>
107	BSC II	Kachare Vijay Bharat	9370802065	<i>[Signature]</i>
108	BSC II	Jadhav Shivam Subhash	7620984619	<i>[Signature]</i>
109	BSC II	Songram Sunil Gborge	7758092782	S.S.Gborge
110	BCS II	Basal Krishnaat Satyavan	8625991798	<i>[Signature]</i>
111	BCS II	Ghose Pratik hambirrav	7248915406	Pratik G
112	BCS II	Sawant Prathmesh Ankush	8530364066	<i>[Signature]</i>
113	BCS II	Patil Harshad Babasa	9975927469	<i>[Signature]</i>
114	BCS II	Kadam Dnyanraj Dhangji	9172365129	<i>[Signature]</i>
115	BCS-II	Thosar Onkar Shivaji	7250462461	<i>[Signature]</i>
116	BCS-II	Pawar Vishvajith Suresh	7084712021	<i>[Signature]</i>



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

One day Wokshop 2023-24

Name of the Activity - "Skill Development wokshop"

Participant List

Date - 26/07/2023

Time - 11:00am onwards

Sr.No	Class	Name of the Student	Mobile Number	Signature
117	BCS-II	Nakwade Omkar Abasa	7741005717	<i>[Signature]</i>
118	BCS-II	Umalekar Karan Sagar	9175087918	<i>[Signature]</i>
119	BCS-II	Mane omkar Rajendra	7741976586	<i>[Signature]</i>
120	BCS-II	Dubal omkar vilas	7276434274	<i>[Signature]</i>
121	BCS-II	Patil shreyas Kuber	7517066471	<i>[Signature]</i>
122	BSc-II	Waghmare Parnav Srambhaji	7057696129	<i>[Signature]</i>
123	BSc-II	Mane Soham Vitthal	9322354734	<i>[Signature]</i>
124	B.Sc-III	Tewari Mukesh Rajesh	7028950398	<i>[Signature]</i>
125	B.Sc-III	Tapase Ganesh Nilesh	8459448816	<i>[Signature]</i>
126	B.Sc-III	Ingale Banket Patil	9167665229	<i>[Signature]</i>
127	BCS-II	Jagtap Shreyash Adhikar	9168263006	<i>[Signature]</i>
128	BCS-II	Nikam Ashitosh Tanaji	8767096020	ATNikam
129	BCS-II	Kachare Manoj Satish	8010066675	<i>[Signature]</i>
130	BCS-II	Chavan Ritesh Ramesh	8459896165	<i>[Signature]</i>
131	BCS-II	Kumbhar Yash Ghanaj	7743808541	<i>[Signature]</i>
132	BCS-II	Kavtekar Pratik Sajjerao	8629833289	<i>[Signature]</i>
133	BCS-II	Pawar Ashish Atmaram	9322514153	<i>[Signature]</i>
134	BCS-II	Shewale ARYAN vilas	9422354606	<i>[Signature]</i>
135	BCS-II	Chavan Prabhvijay Kityasa	9021906877	<i>[Signature]</i>
136	BCS-II	Mulik Pradyot Rajsing	9172432732	<i>[Signature]</i>
137	BCS-II	Shete Sumit Dipak	8421345635	<i>[Signature]</i>
138	BCS-II	Jagtap Amit Gayaji	7498952171	<i>[Signature]</i>
139	BCS-II	Shelar Rohan Ramdas	8788939310	R.R.Shelar
140	BCS-II	Chavan Sumit Shivaji	9322329911	<i>[Signature]</i>
141	BSC-III	Shinde Saish Jshwar	8888087682	<i>[Signature]</i>
142	BSC-III	Borgaonkar Nikhil Shantadas	9921099612	<i>[Signature]</i>
143	BSC-III	Pawar Rohan vijay	9545336138	<i>[Signature]</i>
144	BSC-III	Pawar Vitaj Rajesh	9922347115	<i>[Signature]</i>
145	BSC-III	Shinde vishal vinayak	9563153333	<i>[Signature]</i>
146	BSC-III	Vivek Namdev Kash/d	9834404580	<i>[Signature]</i>
147	BSC-III	Mure Omkar Shantkar	7060497968	<i>[Signature]</i>
148	BSC-III	Jadhav Saurabh Shantikant	9579367637	<i>[Signature]</i>



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

One day Wokshop 2023-24

Name of the Activity - "Skill Development wokshop"

Participant List

Date - 26/07/2023

Time - 11:00am onwards

Sr.No	Class	Name of the Student	Mobile Number	Signature
1)	BSc-II	Sawant Sharayu Sharad	8010626352	S. Sawant
2)	BCS-III	Pisal Pruthviraj Sanjay	9359982045	Pisal
3)	BCS-III	Chavan Shubham Sanjay	7666802590	Shavan
4)	BCS-III	Desai suraj santaji	9356813075	S.S. Desai
5)	BSc-III	Khilare Sangram Arun	8080285942	Khilare
6)	BSc-III	Pisal Shubham Rajendra	7038997271	Shubham
7)	BCS-II	Guarav Abhishek Tukaram	9022969518	Guarav
8)	BCS-III	Janugade Shreyash mahendra	7709890734	Janugade
9)	BCS-III	Jadhav prathamesh Bhagavan	7385013172	Jadhav
10)	BCS-III	Patil Kiran Baban	8668516279	K. Patil
11)	BCS-III	Uble Akash Hanment	9096374535	Uble
12)	BCS-III	Pisal Rohit Bhaerai	9321057069	Pisal
13)	BCS-III	Pisal sham Ankush	9579633664	S.A. Pisal
14)	BCS-III	Chavan Digambar Ananda	8149416987	Chavan
15)	BCS-III	chavan sumit krushnat	8237971838	Sumit
16)	BCS-I	Bhinde Raj Subhash	9657483155	Bhinde
17)	BCS-I	Yash Vishnu Kadam	7030304999	Yash
18)	BSC(ED)I	Patil chetan Rajiv	7385780795	Patil
19)	BCS-III	Kadam Amar Vijaykumar	8080779862	Kadam
20)	BCS-II	Gaekwad Aniket Rajendra	7214121070	A. L. Gaekwad
21)	BCS-II	uthale Vishal Vilas	9561556690	Uthale
22)	BCS-II	Lohar Tejas Sambhaji	8010886776	Lohar
23)	BCS-III	More Ganesh Jagannath	9499879532	More
24)	BCS-III	Shewale Prathmesh Kamern	9379428317	Shewale



YASHWANTRAO CHAVAN COLLEGE OF SCIENCE, KARAD

DEPARTMENT OF COMPUTER SCIENCE

One day Workshop 2023-24

Name of the Activity - "Skill Development workshop"

Participant List

Date - 26/07/2023

Time - 11:00am onwards

Sr.No	Class	Name of the Student	Mobile Number	Signature
1	BSC(CS)-II	Aditya Anil Maharyade	7922018569	Maharyade
2	BSC(CS)-II	Pooja Shantana Kumbale	806052901	Kumbale
3	BSC(CS)-II	Prathamesh Rajendra Hendre	9507703247	Hendre
4	BSC(CS)-II	Fakir Khajamiya Husen	7447589721	Fakir
5	BSC(CS)-II	Ghadake Aditya Santali	972243288	A. S. Ghadake
6	B.Com-I	Sankar Pratik Kinsal	7449353898	Sankar
7	B.Com-I	Pravul Pramod Shaba	7821993151	P. P. Shaba
8	B.CS-II	Chosage Omkar Atul	8767066039	Chosage
9	B.Com-I	Sapnal Samarth Dipak	7066603290	Sapnal
10	B.CS-II	Mahite Pravinraj Prakash	957773921	Mahite
11	B.Com-I	Aaridha Rajendra Shejwal	7888163261	Shejwal
12	B.CS-II	Sable Navnit Sampat	952622920	Sable
13	B.Com-I	Jaykesh Ganesh Patil	2444621668	Patil
14	B.CS-II	Chavan Balaji Niket	868628112	Chavan
15	B.CS-II	Bhosale Sushil Shrikant	7387857060	Bhosale
16	B.CS-II	Patil Mandar Jaywant	9665155502	Patil
17	B.CS-II	Chavan Prathmesh Sujit	8180987781	Chavan
18	B.CS-II	Patil Harshad Shankar	7715045931	Patil
19	B.CS-II	Barge Jaywant Balu	7218214450	Barge
20	B.CS-II	Yewale Aniket Sanjay	7872683205	Yewale
21	B.CS-II	Patil Utkarsh Krishna	842181476	Patil
22	B.CS-II	Mehalik Harshvardhan	7709370341	Mehalik
23	B.CS-II	Abijeet Manoj	7416180462	Abijeet
24	B.CS-II	Shinde Purvesh Dipak	7448111543	Shinde
25	BSC(CS)-II	Pathan Khalas Salauddin	7385603051	Pathan
26	BSC(CS)-II	Salunkhe Anishkar Laxman	9356904009	Salunkhe
27	B.Com-I	Shivraj Suresh Patil	8446374662	Shivraj
28	BSC-I	Dange Swapnali Laxman	8799872025	Dange
29	BSC-I	Patil Namrata Sanjay	7410508515	Patil
30	B.CS-I	Babar Shradha Mahesing	7083423202	Babar
31	B.CS-III	Nikam Siddhi Ramesh	9604098887	Nikam
32	BSC(CS)-II	Patil Shweta Chandrakant	8767454953	Patil
33	BSC(CS)-III	Ingale Akshay Chandrakant	9552307935	Ingale



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Certificate

OF Participation


Mrs. Suchita Ganesh Padyal.

This certificate certifies that you have attended and actively participated in the Robotics, Machine Learning Workshop organized by Vidyaarthimitra.org at Yashwantrao Chavan College of Science, Karad.

We wish you continued success in your future endeavors.

26th July 2023

DATE



K Ravindra, BE(WCE), MBA(DBIMS), MIE, CDM
Vidyaarthi Mitra, Founder & CEO



Yashwantrao Chavan College of Science, Karad
Department of Computer Science

Feedback form

Name of the Activity - one day workshop on skill development

Name of the Speaker - Mr. Anand Awasthi, Miss Snehal Wankar, Dr. Jayant Pawar

Name of the Student: Chavan Ajay Satish

Class: BCS - III Roll No. 9509 Mobile No. 7498723818

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker	✓				
3	Speakers presentation's skill		✓			
4	Amount of new information you learned		✓			
5	Overall experience of the programme	✓				

Any other suggestions if any.....No.....

Date: 26-07-2023

Sign. B. Chavan

Feedback form

Name of the Activity - One day workshop on development skill

Name of the Speaker - Mr. Anand Avasare, Miss. Snehal Warekar, Mr. Anil Jagtap, Dr. Jayant Pawar

Name of the Student: Shind Pratik Sunil

Class: B.Sc. CS (Entire II) Roll No. 9587 Mobile No. 8080698492

		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Usefulness of program	✓				
2	Rate the materials/slides presented by speaker		✓			
3	Speakers presentation's skill	✓				
4	Amount of new information you learned	✓				
5	Overall experience of the programme		✓			

Any other suggestions if any..... N.O.....

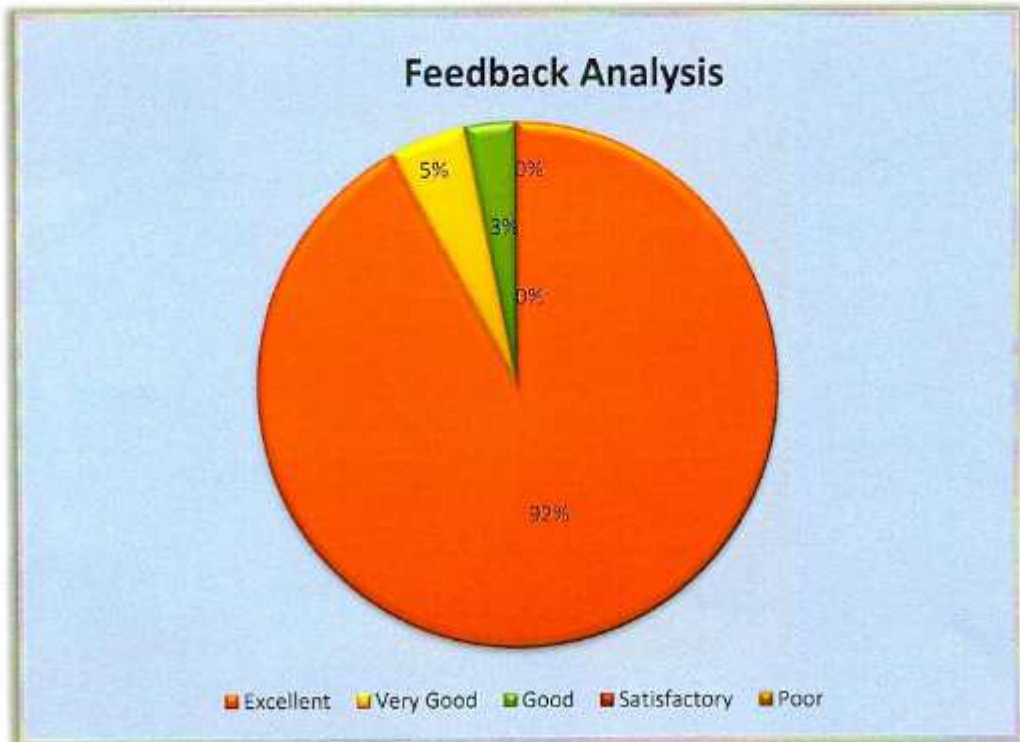
Date: 26-07-23

Sign. Shind Pratik

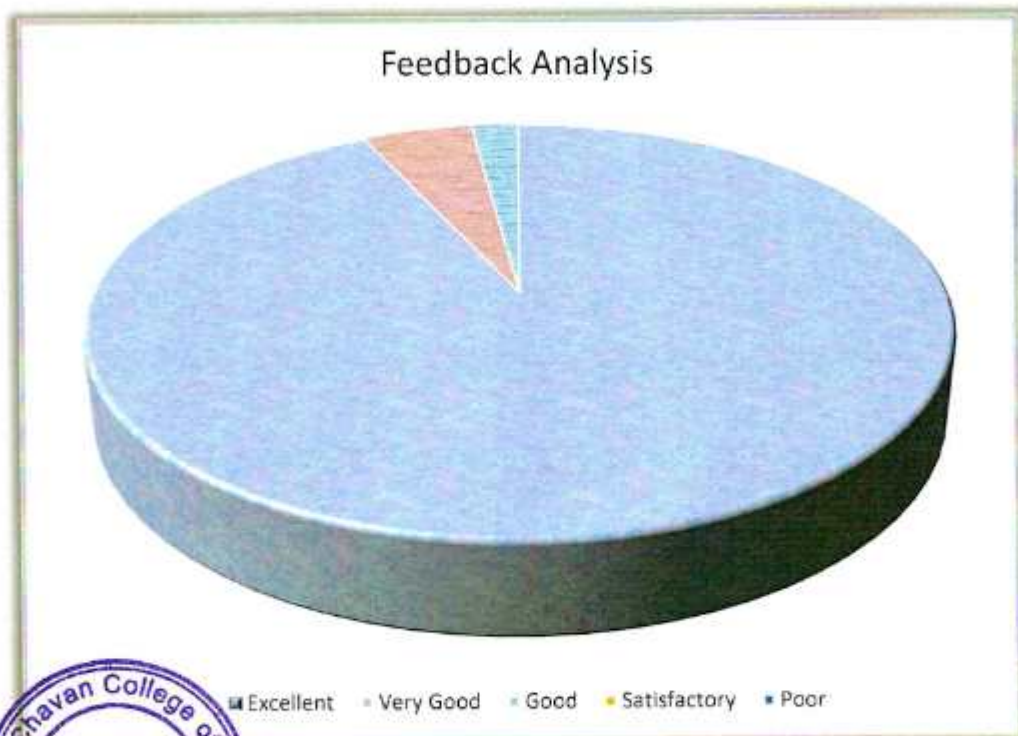
Feedback Analysis:

One Day Workshop on "Skill Development"

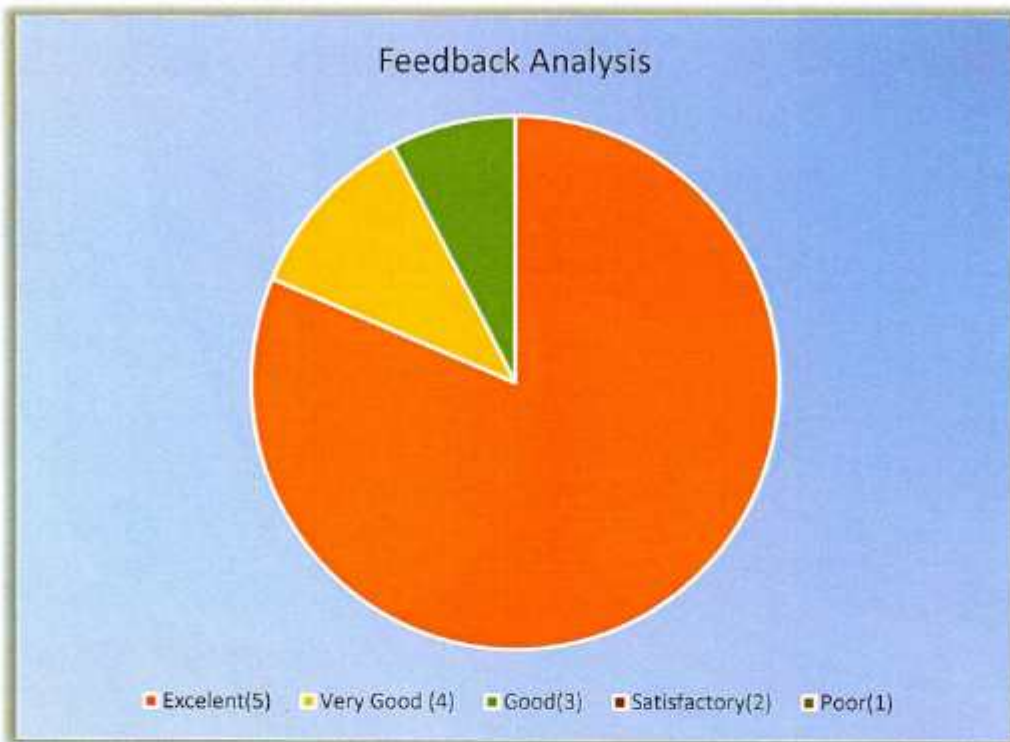
1) Usefulness of program



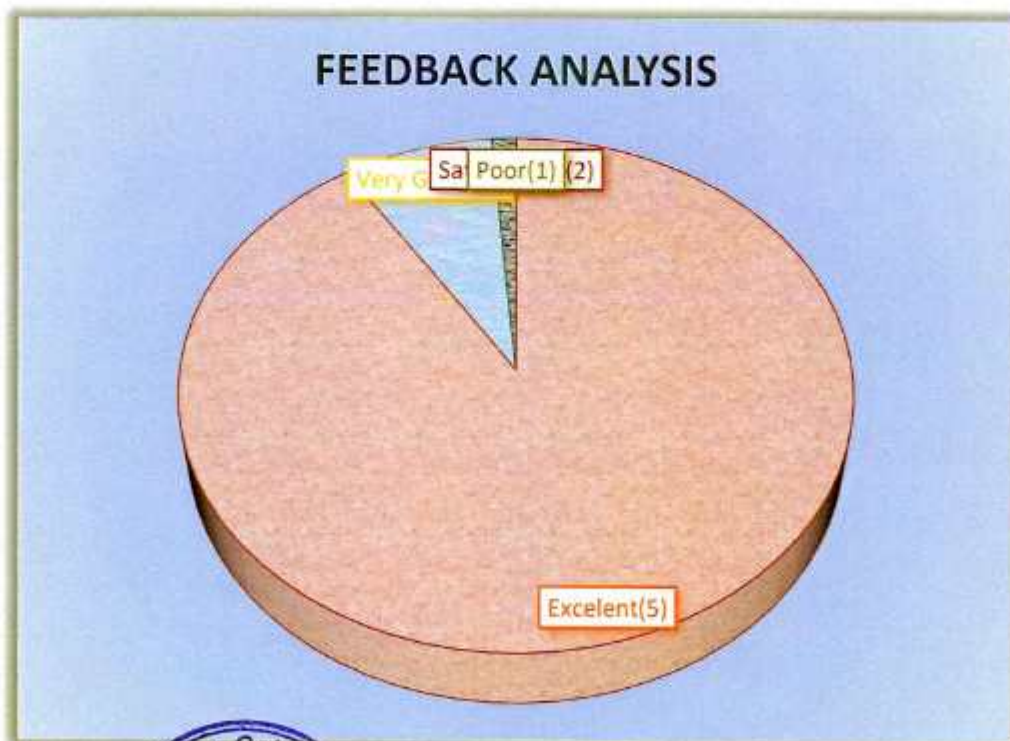
2) Rate the materials/slides presented by speaker



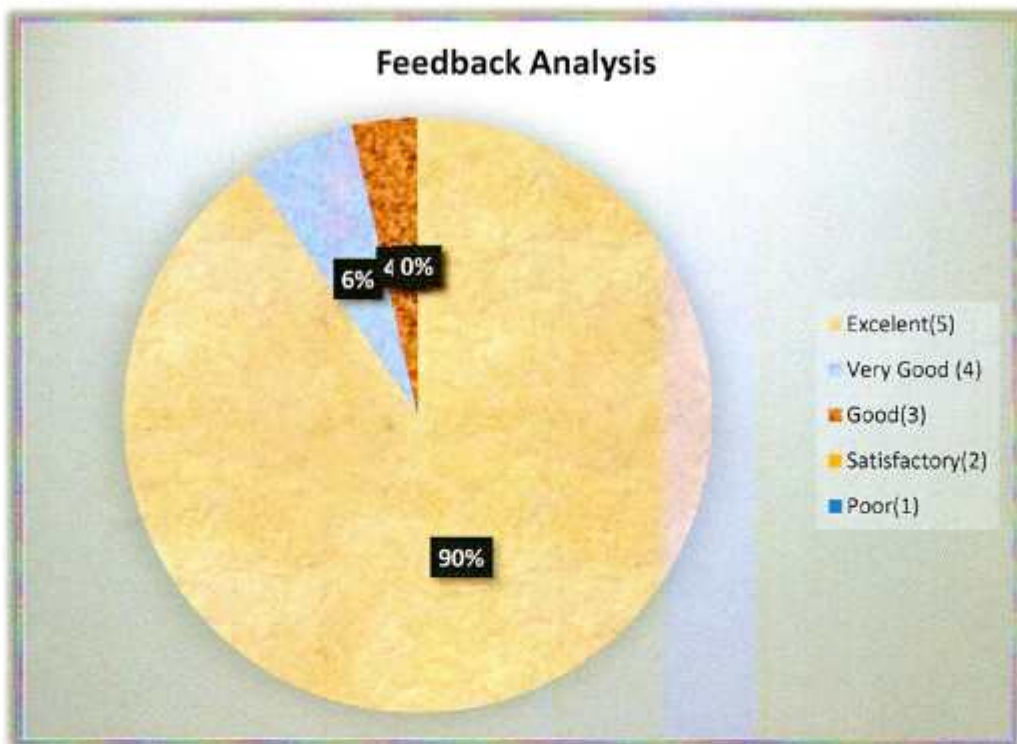
3)Speakers presentation's Skill



4)Amount of new information you learned



5)Overall experience of the program



Program Photographs:



LINKAGE



Yashwantrao Chavan College of Science, Karad

&

**Ethanol Distillation Plant, Sahyadri Sahakari Sakhar
Karkhana, Ltd. Yashwantnagar. Tal. Karad**





Linkage is signed on 11th April 2023 between Department of Microbiology, Yashwantrao Chavan College of Science, Karad (First Party) and Ethanol Distillation Plant, Sahyadri Sahakari Sakhar Karkhana Ltd. (Second Party). It is agreed by First party and Second party to impart study tours to the students. Both the parties have discussed in detail the areas of co-operation and mutually agreed to make the linkage. Now it is agreed by and between both the parties with the following terms and conditions.

Terms and Conditions:

- 1) Both the parties will extend their facilities to each other in the areas of study tours to the students.
- 2) No rental charges or any other incidental charges, unless mentioned, shall be paid by both the parties for using the infrastructure facilities of each other.
- 3) The linkage will be valid for a period of five years starting from the date of signing this agreement and may be renewed for a further period of five years through mutual consent of parties.

4) This linkage may be terminated by either side by giving a three months notice to that effect in writing.

In witness whereof, the parties here have set these hands on the 11th April 2023.

Party	First Party	Second Party
Institute	Yashwantrao Chavan College of Science, Karad	Ethanol Distillation Plant, Sahyadri Sahakari Sakhar Karkhana Ltd.
Signature		
Name & Designation	Dr. J. U. Patil Head, DEPARTMENT OF MICROBIOLOGY Department Of Microbiology	Prakash P. Patil Head, Ethanol Distillation Plant, Sahyadri Sahakari Sakhar Karkhana, Ltd. Yashwantnagar.
Signature		
Name & Designation	Dr. S. B. Kengar Principal, Yashwantrao Chavan College of Science, Karad.	Head, Prakash P. Patil. Ethanol Distillation Plant, Sahyadri Sahakari Sakhar Karkhana, Ltd. Yashwantnagar.
Seal	