



“Education for Knowledge, Science, and Culture”
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur
(Autonomous)

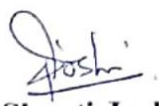


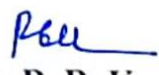
3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

Collaborative Activities Index 2021-22

Sr. No.	Title of the collaborative activity	Names/ no. of the participants	Nature of the activity	Page No.
1.	Internship	Mr. Nitish Kadam	Internship	3-3
2.	Internship	Mr. Prathmesh Patil	Internship	4-4
3.	Internship	Mr. Vishal Kore	Internship	5-5
4.	Internship	Mr. Omkar Pandurang	Internship	6-6
5.	Internship	Mr. Dhananjay Patil	Internship	7-7
6.	Internship	Mr. Swapnil Chougule	Internship	8-8
7.	Internship	Mr. Shubham Patil	Internship	9-9
8.	Internship	Mr. Ujwal Kadam	Internship	10-10
9.	Internship	Mr. Shravan Kumbhar	Internship	11-11
10.	Internship	Mr. Abhishek Patil	Internship	12-12
11.	Internship	Mr. Sourabh Patil	Internship	13-13
12.	Industrial Visit (Training)	1. Mr. Yash S. Abdagiri 2. Mr. Swapnil S. Yevaluje 3. Mr. Sohel M. Mulla 4. Mr. Vaibhav N. Patil 5. Mr. Devandra P. Pujari 6. Mr. Rahul N. Suryawanshi 7. Mr. Umarfarukh I. Mujawar 8. Mr. Appasaheb A. Barage 9. Mr. Vinod B. Patil	Shree Spherotech Ltd. M.I.D.C. Shirol	14-17
13.	Industrial Visit cum training at METASIS LAB, MIDC Shirol	1. Dhananjay S. Patil 2. Mr. Siddhesh Marikar 3. Mr. Akash Mali 4. Mr. Aftabh Gajbar 5. Mr. Om Deshmukh 6. Mr. Abhishek Patil 7. Mr. Prathmesh Patil 8. Mr. Sourabh Patil 9. Mr. Ujjwal Kadam 10. Mr. Vishal Kore 11. Mr. Abhay S. Shinde 12. Mr. Sanket S. Karvekar 13. Mr. Vaibhav M. Hirave 14. Mr. Mahesh S. Pachimbare 15. Mr. Sumit S. Pachimbare 16. Mr. Shreekrushna Nikam 17. Mr. Aditya V. Surve	Industrial Visit cum Hands on training of UTM and Salt Spray Test	18-22

14.	Industrial Visit (Training)	22 Students participated	Workshop on Non-destructive Testing	23-27
15.	Training	37 students were participated	Visit to Shahu Samrak Kolhapur. Helps students to understand color shading and composition concepts. (Animation and Film Making)	28-33
16.	Training	39 students were participated	Workshop on “Clay Modelling” (Animation and Film Making)	34-39
17.	Training	30 students were participated	Workshop on “2D Animation”	40-48
18.	Student Exchange Programme: Lead College Activity	18 Teachers & 92 Students: Zoology	One day workshop on Pearl Farming	49-63
19.	Student Exchange Programme Lead College Activity	180 students: Biotechnology	One day workshop on Job Opportunities in Pharmaceutical Industries	65-73
20.	Student Exchange Programme Lead College Activity	116 Students: Chemistry	One day workshop on importance and opportunities in Biochemical science	74-108
21.	Student Exchange Programme Lead College Activity	64 students: Computer Science	One day workshop on Blended Learning with LMS MOODLE	109-135
22.	Observation of English Week	No. of Students: 74	Student Exchange Programme	136-143
23.	Geography student and faculty exchange	No. of Students: 24 No. of Faculties: 02	Student and faculty Exchange Programme	144-148
24.	Guest Lecture on “Economic Polity and Problems	53 Students & 11 Teachers: Economics	Activity conducted under MoU	149-158
25.	Research in collaboration	11 teachers, Dr. Sanjay Latthe (Physics, International MoU for research: China)	Published Research papers in Collaboration	159-168
26.	students undertaking field projects / internships / student projects	No. of Students: 1086 No. of Projects: 516	Students Projects	Added separately in any additional information


Dr. Shruti Joshi
Coordinator - IQAC
Vivekanand College,
Kolhapur


Dr. R. R. Kumbhar
PRINCIPAL
Vivekanand College
Kolhapur.

Corp. Office :-
392, 'E' Ward,
Assembly Road, Shahupuri,
Kolhapur - 416 001, Maharashtra, INDIA.
T 0231 - 2658375

Works :-
Plot No. C - 18,
Five Star MIDC, Kagal,
Kolhapur - 416 216, Maharashtra, INDIA.
T 0231 - 2305311, 2305312
W www.synergygreenind.com
PAN : AAOC8603A
CIN : L27100PN2010PLC137493
GSTIN : 27AAOC8603A1ZD



SGIL/HRD/2022

Date: - 11.06.2022

CERTIFICATE
(TO WHOMSOEVER IT MAY CONCERN.)

This is to certify that **Mr. Nitish Sukumar Kadam**, a student of Diploma in Foundry Technology - 3rd Year from Vivekanand College, Kolhapur has successfully completed his internship in our organization from 15th February 2022 to 31st May 2022. During this period he was been found to be punctual and disciplined.

We wish him a bright future.

For Synergy Green Industries Ltd.


Sanjay Patil
Manager - HR & Admin.



**SHRI BALAJI INDUSTRIES**

Plot No. 595/2, House No. 4155, Behind Kolhapur Axles,
Shiroli (P.), Kolhapur - 416 122. Mob. 9890443614

Date :

TO WHOM IT MAY CONCERN

This is certify that Mr. Prathmesh Ananda Patil student of Vivekanand College, Kolhapur has undergone three month internship from 14 Feb. 2022 to 15 May 2022, at our company.

During the internship have been exposed to various operational and maintains activities. He had shown a keen interest in learning other activities. We found him sincere, hardworking, and dedicated and result oriented. He worked opportunity to thank him and wish him all the best for his future

FOR SHRI BALAJI INDUSTRIES

Proprietor



3	Internship	Mr. Vishal Kore	Foundry Technology
---	------------	-----------------	--------------------



SHRI BALAJI INDUSTRIES

Plot No. 595/2, House No. 4155, Behind Kolhapur Axles,
Shiroli (P.), Kolhapur - 416 122. Mob. 9890443614

Date :

TO WHOM IT MAY CONCERN

This is certify that Mr. Vishal Sundar Kore student of Vivekanand College, Kolhapur has undergone three month internship from 14 Feb. 2022 to 15 May 2022, at our company.

During the internship have been exposed to various operational and maintains activities. He had shown a keen interest in learning other activities. We found him sincere, hardworking, and dedicated and result oriented. He worked opportunity to thank him and wish him all the best for his future



FOR SHRI BALAJI INDUSTRIES
Proprietor

4	Internship	Mr. Omkar Pandurang	Foundry Technology
---	------------	---------------------	--------------------



SHRI BALAJI INDUSTRIES

Plot No. 595/2, House No. 4155, Behind Kolhapur Axles,
Shiroli (P.), Kolhapur - 416 122. Mob. 9890443614

Date :

TO WHOM IT MAY CONCERN

This is certify that Mr. Omkar Pandurang Biranje student of Vivekanand College, Kolhapur has undergone three month internship from 14 Feb. 2022 to 15 May 2022, at our company.

During the internship have been exposed to various operational and maintains activities. He had shown a keen interest in learning other activities. We found him sincere, hardworking, and dedicated and result oriented. He worked opportunity to thank him and wish him all the best for his future.

For SHREE BALAJI INDUSTRIES



Proprietor

Corp. Office :-
392, 'E' Ward,
Assembly Road, Shahupuri,
Kolhapur - 416 001, Maharashtra, INDIA.
T 0231 - 2658375

Works :-
Plot No. C - 18,
Five Star MIDC, Kagal,
Kolhapur - 416 216, Maharashtra, INDIA.
T 0231 - 2305311, 2305312
W www.synergygreenind.com
PAN : AAOC8603A
CIN : L27100PN2010PLC137493
GSTIN : 27AAOC8603A1ZD



SGIL/HRD/2022

Date: - 11.06.2022

CERTIFICATE
(TO WHOMSOEVER IT MAY CONCERN.)

This is to certify that **Mr. Dhananjay Suresh Patil**, a student of Diploma in Foundry Technology - 3rd Year from Vivekanand College, Kolhapur has successfully completed his internship in our organization from 15th February 2022 to 31st May 2022. During this period he was been found to be punctual and disciplined.

We wish him a bright future.

For Synergy Green Industries Ltd.


Sanjay Patil
Manager - HR & Admin.



6	Internship	Mr. Swapnil Chougule	Foundry Technology
---	------------	----------------------	-----------------------



SHRI BALAJI INDUSTRIES

Plot No. 595/2, House No. 4155, Behind Kolhapur Axles,
Shiroli (P.), Kolhapur - 416 122. Mob. 9890443614

Date :

TO WHOM IT MAY CONCERN

This is certify that Mr. Swapnil Sambhaji Chougule student of Vivekanand College, Kolhapur has undergone three month internship from 14 Feb. 2022 to 15 May 2022, at our company.

During the internship have been exposed to various operational and maintains activities. He had shown a keen interest in learning other activities. We found him sincere, hardworking, and dedicated and result oriented. He worked opportunity to thank him and wish him all the best for his future



FOR SHRI BALAJI INDUSTRIES
K. B. Chougule
Proprietor

7	Internship	Mr. Shubham Patil	Foundry Technology
---	------------	-------------------	--------------------



SHRI BALAJI INDUSTRIES

Plot No. 595/2, House No. 4155, Behind Kolhapur Axles,
Shiroli (P.), Kolhapur - 416 122. Mob. 9890443614

Date :

TO WHOM IT MAY CONCERN

This is certify that Mr. Shubham Kumar Patil student of Vivekanand College, Kolhapur has undergone three month internship from 14 Feb. 2022 to 15 May 2022, at our company.

During the internship have been exposed to various operational and maintains activities. He had shown a keen interest in learning other activities. We found him sincere, hardworking, and dedicated and result oriented. He worked opportunity to thank him and wish him all the best for his future



FOR SHRI BALAJI INDUSTRIES
Proprietor

8	Internship	Mr. Ujwal Kadam	Foundry Training
---	------------	-----------------	------------------



SHRIRAM INDUSTRIES

GST No.: 27AEXPJ6823K1ZR

Works :- R.S.575/10, PLOT NO. 51, M.I.D.C., SHIROLI (P), KOLHAPUR - 416 122.

Cell-9850515637, 9604059494

Ref. No.

Date :

TO WHOM IT MAY CONCERN

This is to certify that Mr. Ujwal Prakash Kadam student of Vivekanand College, Kolhapur has undergone Three-Month internship from 14th Feb.2022 to 15th May 2022, at our company.

During the internship have been exposed to various operational and maintains activities. He has shown interest in learning other activities. We found him sincere, hardworking, dedicated and result-oriented. He worked well as part of the team during his tenure.

We take this opportunity to thank him and wish him all the best for his future.



SHRIRAM INDUSTRIES

9.	Internship	Mr. Shravan Kumbhar	Foundry Training
----	------------	---------------------	------------------



SUHAS INDUSTRIES

Email: suhaspatil0765@gmail.com | Contact: 9921000765

REF:

DATE:

TO WHOSOEVER IT MAY CONCERN

This is to certify that Mr. Shravan Bajirao kumbhar Third Year B.VOC foundry technology student has successfully completed the Industrial training for 90 days in our Shirolī Workshop from 11 FEBRUARY 2022 to 12 May 2022

During his tenure of work he is found punctual, honest and hardworking. We wish him all the best in his future.

The certificate is issued on his request.

•

Suhas Patil

For SUHAS INDUSTRIES
Mr. Suhas Patil
Contact No. 9921000765

C/O. OM Fabricates, Plot No. 524, Shriramnagar, MIDC Shirolī,
Tal.-Hatkalangale, Dist.- Kolhapur, Pin-416122



Edit with WPS Office

10.	Internship	Mr. Abhishek Patil	Foundry Training
-----	------------	--------------------	------------------



TexoneTM
Foundry Equipments
AN ISO 9001:2015 COMPANY



G-41, M.I.D.C., Gokul Shirgaon, Kolhapur, (Maharashtra, INDIA)- 416 234 Cell.: 9890999990 Ph.: 0231-2672099
Web : www.texoneequipments.com, www.mouldingboxes.com Email: texonemail@gmail.com sales@mouldingboxes.com

Ref. No. 540 / TEX/CER/2022

Date :- 01/06/2022

CERTIFICATE

(To whom it may concern)

This is to certify that student Mr. Patil Abhishek Santosh third year Foundry Technology student from Vivekanand college of Autonomous, Kolhapur. As a part of his study has successfully completed Industrial Training in our Engineering department commencing from 10 Jan 2022 To 30 April 2022.



Texone Foundry Equipments
(Signature)
Proprietor

11.	Internship	Mr. Sourabh Baban Patil	Foundry Training
-----	------------	-------------------------	------------------



**SHRIRAM
INDUSTRIES**

GST No.: 27AEXPJ6823K1ZR

Works :- R.S.575/10, PLOT NO. 51, M.I.D.C., SHIROLI (P), KOLHAPUR - 416 122
Cell-9850515637, 9604059494

Ref. No.

Date :

TO WHOM IT MAY CONCERN

This is to certify that Mr. Saurabh Baban Patil student of Vivekanand College, Kolhapur has undergone Three-Month internship from 14th Feb.2022 to 15th May 2022, at our company.

During the internship have been exposed to various operational and maintains activities. He has shown interest in learning other activities. We found him sincere, hardworking, dedicated and result-oriented. He worked well as part of the team during his tenure.

We take this opportunity to thank him and wish him all the best for his future.



12.	Industrial Visit: Shree Sphero-tech	09 Students	Foundry Training
-----	-------------------------------------	-------------	------------------

Date : 11/05/2022

Permission Letter

To,
The Principal,
Vivekananda College, Kolhapur (Autonomous)

Subject: Request to grant permission for conducting an Industrial Visit.

Respected Sir,

Department of M.Voc/B.Voc. Foundry Technology is going to arrange an **Industrial Visit** on the topic **Foundry Processes** at Shree Spherotech Ltd. M.I.D.C. Shirolo on 13/05/2022 at 11.00 am. So, please give us permission to conduct this visit.

This industrial visit will be helpful for Students education and their curricular activities.

Thanking you.


Nodal Officer
B.Voc. & Community College Unit
Vivekanand College, Kolhapur


PRINCIPAL
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ,KOLHAPUR(AUTONOMOUS)

DEPARTMENT OF FOUNDRY TECNOLOGY

NOTICE

All the students are hereby informed that our college has decided to conduct an industrial visit on the topic **Foundry Processes**. Attendance is mandatory for all students.

Date: 13th May 2022

Time: 11.00 am To 01.00 pm

Place : Shree Spherotech Pvt.Ltd.

Shiroli M.I.D.C. Kolhapur


Nodal Officer
B.Voc. & Community College Unit
Vivekanand College, Kolhapur


Principal
Vivekanand College
Kolhapur

No. H.S.C./1074/R-1/DT : 8-8-1976
 File No. 23-09-002
 U.Dise No. 27341301006

"ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षण प्रसार"
 शिक्षणमंत्री डॉ. बापूजी साळुंखे

श्री स्वामी विवेकानंद शिक्षण संस्थेचे
विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)
 २९३०, ई. ताराबाई पार्क, कोल्हापूर, ता. कर्वीर, जि. कोल्हापूर - ४९६ ००३
 शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत
 ग्रेड मानांकन : 'A' (सी.जी.पी.ए. ३.२४)
 कॉलेज उर्द्विध पोटेन्शियल फॉर एक्सेलन्स, यु.जी.सी., न्यु दिल्ली
 स्टार कॉलेज - डी.बी.टी. - भारत सरकार
 आय.एस.ओ. ९००१:२०१५

Ph. : 0231-2658612, 2658840 | Fax : 0231-2658840 | Resi. : 0231-2653962 | Website : www.vivekanandcollege.org | E-mail : info@vivekanandcollege.org

संस्थापक डॉ. बापूजी साळुंखे D. Lit.	आय.एस. मा. आमदार चंद्रकांत दादा पाटील MLA	कार्याध्यक्ष प्राचार्य अभयकुमार साळुंखे M.A.	सचिव प्राचार्या सौ. शुभांगी गावडे M.Sc., B.Ed.	प्राचार्य डॉ. आर. आर. कुंभार M.Sc. M.Phil. Ph.D.
---	---	--	--	--

जावक क्रमांक वि.सी.के. / 310/2022-23
 दिनांक : 13.5.2022

To,
 Managing Director,
 Shree Spherotech Pvt.Ltd.
 Shirol M.I.D.C.
 Kolhapur.

Subject: Request to grant permission for conducting an Industrial Visit

Respected Sir,

Vivekanand College Kolhapur (Autonomous) is NAAC Re-accredited with grade 'A' and is having status of 'College with Potential for Excellence' by UGC. Our college is awarded the grade of 'Star College' by DST-Govt. of India.

We have started three years B.Voc degree course in Foundry Technology. As our course is skill based education oriented, we are going to conduct an industrial visit on "Foundry Processes" on 13 May 2022

As your industry is well known for foundry processes, we assure that your guidance will definitely add practical information about foundry process to our students.

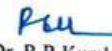
So, we request you to accept our invitation for the same.

Hoping for your positive response.

Thanking you,

Yours faithfully,


Nodal Officer
 B.Voc. & Community College Unit
 Vivekanand College, Kolhapur


 (Dr. R.R.Kumbhar)
PRINCIPAL
 Vivekanand College
 Kolhapur



13/05/2022.

Following Students of Vivekanand Collage
(Foundry Tech.) were present for Industrial
Visit held on 13th May 2022. During Visit.
Basic foundry processes were shown to
Students.

Sr. No.	Name of Student
1	Yash Suresh Abdagiri
2)	Swapnil Sunil Jeraluje
3)	Sohel moula mulla
4)	Vaibhav Nandedu Putil
5)	Devendra P. Pawari
6)	Rahul N. Surpawandi
7)	Umafounkh Ibrahim mujawaz
8)	Appasaheb Anandrao Baruge
9)	Vinod Bhagvan Padi

Sign.
Abdagiri
Sohel
Putil
Pawari
Surpawandi
mujawaz
Baruge
Padi



13.	Industrial Visit	Metasis Lab, MoU	Foundry Training
-----	------------------	------------------	------------------

VIVEKANAND COLLEGE ,KOLHAPUR(AUTONOMOUS)

DEPARTMENT OF FOUNDRY TECNOLOGY

NOTICE

All the students are hereby informed that our department has decided to organize a Training cum industrial visit to Metasis Lab, MIDC Shirol. Attendance is mandatory for all students.

Date: 18th April, 2022

Time: 10.30 am onwards

Place : Metasis Lab, MIDC Shirol, Kolhapur.


Nodal Officer
 B.Voc. & Community College Unit,
 Vivekanand College, Kolhapur


Principal
 Vivekanand College
 Kolhapur

Date : 16/04/2022

Permission Letter

To,
The Principal,
Vivekananda College, Kolhapur(Autonomous)

Subject: Request to grant permission for Industrial visit .

Respected Sir,

Department of. Foundry Technology (B.Voc & C.C.) is going to arrange a **Training cum Industrial Visit to Metasis lab, MIDC Shirol** on 18/04/2022 at 10.30 am. Please give us permission to conduct this visit.

This industrial visit will be helpful for students to gain theory base practical knowledge.

Thanking you.


Nodal Officer
B.Voc. & Community College Unit
Vivekanand College, Kolhapur


Principal
Vivekanand College
Kolhapur

Recog. No. H.S.C./1074/R-1/DT-8-8-1976
College Code No. 23-09-002
College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुरांस्कार यांसाठी शिक्षण प्रसार”
शिक्षणपहरी डॉ. बापूजी सावंत

Estb June 1964



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



Ph. : 0231-2658612, 2658840 | Fax : 0231-2658840 | Resi. : 0231-2653962 | Website : www.vivekanandcollege.org | E-mail : info@vivekanandcollege.org

Founder
Dr. Bapuji Salunkhe
D. Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/

Date :

To,

Metasis Lab
MDC, Shizoli
Kolhapur

Subject: About Study Visit of Students in your esteemed Organisation.

Respected Sir,

Vivekanand College is NAAC Re-accredited with grade 'A' and is having status of 'College with Potential for Excellence' by UGC. Our college is awarded the grade of 'Star College' by DST-Govt. of India.

We have started three years B.Voc degree course in Foundry Technology. As our course is skill based education oriented. So we are planning to visit different foundry industries to acquire theory base practical knowledge by our students.

Your industry is one of the best foundries which is having foundry related acknowledgeable and advanced processes. We assure that visit in your industry will definitely add practical information about foundry process to our students.

So, we request you to allow our students to visit & observe foundry process work.
We will take care that our students will not disturb your foundry work.

Hoping for your positive response.

Thanking you,

Yours faithfully,

Nodal Officer
B.Voc. & Community College Unit
Vivekanand College, Kolhapur

(Dr. R. R. Kumbhar)
PRINCIPAL
Vivekanand College
Kolhapur

B.VOC & COMMUNITY COLLEGE
DEPARTMENT OF FOUNDRY TECHNOLOGY

INDUSTRIAL VISIT TO: Metasis Lab, MIDC Shirol, Kolhapur.

CLASS: B.voc - III, Foundry Tech

DATE: 18/4/2022

SR. NO	NAME OF STUDENT	SIGN
1	Dhananjay Suresh Patil	
2	Siddhesh Manikar	
3	Akash Mali	
4	Aftab Tratbar	
5	Om Deshmukh	
6	Abhishek Patil	
7	Prathamesh Patil	
8	Saurabh Patil	
9	Ujjwal Kadam	
10	Vishal Keshavnath Kore	
11	Abhay S. Kore Shinde	
12	Sankat S. Karvekar	
13	Vaibhav M. Hirave	
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

STAFF





HEAD OF DEPARTMENT

B.VOC & COMMUNITY COLLEGE
DEPARTMENT OF FOUNDRY TECHNOLOGY

INDUSTRIAL VISIT TO: Metasis Lab, MIDC Shiroli, Kolhapur.

CLASS: B.voc-II, Foundry Tech.

DATE: 18/4/2022

SR. NO	NAME OF STUDENT	SIGN
1	Mahesh Shivaji Pachimbare	
2	Sumit Sunil Pachimbare	
3	Shreekrushna Ganjara Nikam	
4	Aditya Vijayraj Surve	
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		


STAFF


HEAD OF DEPARTMENT

14.	Industrial Visit	Workshop on Non-destructive Testing	Foundry Technology
-----	------------------	-------------------------------------	--------------------

Date : 10/03/2022

Permission Letter

To,
The Principal,
Vivekananda College, Kolhapur (Autonomous)

Subject: Request to grant permission for conducting a workshop.

Respected Sir,

Department of M.Voc/B.Voc. Foundry Technology is going to arrange a **workshop** on the topic **Non Destructive Testing** on **14/03/2022** at 10.30 am. So, please give us permission to conduct this workshop.

This workshop will be helpful for Students education and their curricular activities.

Thanking you.

[Signature]
Nodal Officer
B.Voc. & Community College Unit
Vivekanand College, Kolhapur

Principal
PRINCIPAL
Vivekanand College
Kolhapur

VIVEKANAND COLLEGE ,KOLHAPUR(AUTONOMOUS)

DEPARTMENT OF FOUNDRY TECNOLOGY

NOTICE


All the students are hereby informed that our college has decided to organize a workshop on the topic **NON DESTRUCTIVE TESTING** by **Mr. Pranav Pathak** .Attendance is mandatory for all students.

Date: **14th March 2022**

Time: **10.30 am To 01.00 pm**

Place : Foundry Technology Lab

Vivekanand Collehe ,Kolhapur (Autonomous)


Nodal Officer
B Voc. & Community College Unit
Vivekanand College, Kolhapur


Principal
PRINCIPAL
Vivekanand College
Kolhapur

Recog No H.S.C./1074/R-1/DT: 8-8-1976
 Ge Code No: 23/09-002
 College U.Dise No: 2734130/1006

"ज्ञान, विज्ञान आणि सुसंस्कार यांचाही शिक्षण प्रसार"
 शिक्षणमहोदयी डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
 2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
 Affiliated to Shivaji University, Kolhapur (M.S.)
 NAAC Reaccredited : "A" (CGPA 3.24)
 College with Potential for Excellence by U.G.C., New Delhi
 "Star College" by D.B.T. Govt. of India
 ISO 9001 : 2015

Ph. : 0231-2658612, 2658840 | Fax : 0231-2658840 | Resi. : 0231-2653962 | Website : www.vivekanandcollege.org | E-mail : info@vivekanandcollege.org

Founder Dr. Bapuji Salunkhe D. Lit.	President Hon. Chandrakant Dada Patil MLA	Chairman Prin. Abhaykumar Salunkhe MA	Secretary Prin. Mrs. Shubhangi Gavade M.Sc., B.Ed.	Principal Dr. R. R. Kumbhar M.Sc. M.Phil. Ph.D.
---	---	---	--	---

Ref. No. VCK/

Date

To,

Mr. Pranav Pathak

Vishwa NDT Solution

Kolhapur

Subject: To invite for conducting workshop on "Non Destructive Testing" as Chief Guest.

Respected Sir,

Vivekanand College Kolhapur (Autonomous) is NAAC Re-accredited with grade 'A' and is having status of 'College with Potential for Excellence' by UGC. Our college is awarded the grade of 'Star College' by DST-Govt. of India.

We have started three years B.Voc degree course in Foundry Technology. As our course is skill based education oriented, we are going to organize workshop on "Non Destructive Testing" on 14 March 2022.


As you are an expert in Foundry testing, we assure that your guidance will definitely add practical information about foundry process to our students.


So, we request you to accept our invitation for the same.

Hoping for your positive response.

Thanking you,

Yours faithfully,


Nodal Officer
 B.Voc. & Community College Unit
 Vivekanand College, Kolhapur


 (Dr. R.R.Kumbhar)
PRINCIPAL
 Vivekanand College
 Kolhapur

M.Voc/B.VOC & COMMUNITY COLLEGE
DEPARTMENT OF FOUNDRY TECHNOLOGY

Workshop on: NON DESTRUCTIVE TESTING

Speaker: Mr. Pranav Pathak (Vishwa NDT Solutions, Kolhapur)

ATTENDANCE

SR. NO	NAME OF STUDENT	CLASS	SIGN
1	Shivam Jitendra Patil	M.VOC II nd	<i>[Signature]</i>
2	Sumeet Suresh Khade	M.VOC II nd	<i>[Signature]</i>
3	Sudhansu P. Patil	B.VOC-II	<i>[Signature]</i>
4	Harshvardhan H. Dhotre	B.VOC-I	<i>[Signature]</i>
5	Sourabh S. Kanwade	B.VOC-I	<i>[Signature]</i>
6	Atul Bhosale	M.VOC II	<i>[Signature]</i>
7	Om. Deshmukh	B.VOC III	<i>[Signature]</i>
8	Siddhesh Macaulkar	B.VOC III	<i>[Signature]</i>
9	Abhishek Santosh Patil	B.VOC III	<i>[Signature]</i>
10	Vaibhav Nandev Patil	B.VOC II	<i>[Signature]</i>
11	Sourabh B. Patil	B.VOC III	<i>[Signature]</i>
12	Mahesh Shivaji Pachimbale	B.VOC II	<i>[Signature]</i>
13	Sumil Sunil Pachimbale	B.VOC II	<i>[Signature]</i>
14	Sachin S. Kumbhar	M.VOC II	<i>[Signature]</i>
15	Pravin R. Nirmale	B.VOC II	<i>[Signature]</i>
16	Shreekrishna S. Nikam	B.VOC II	<i>[Signature]</i>
17	Ubedulla N. Begum	M.VOC II nd	<i>[Signature]</i>
18	Shriram N. Jadhav	B.VOC-I	<i>[Signature]</i>
19	Akash Madhav Keluskar	B.VOC-II	<i>[Signature]</i>
20	Aditya Vijayraj Surve	B.VOC II	<i>[Signature]</i>
21	Appasaheb Anandao Borage	B.VOC I	<i>[Signature]</i>
22	Yash Suresh Abdagiri	B.VOC I	<i>[Signature]</i>
23			
24			
25			
26			

STAFF

HEAD OF DEPARTMENT

Recog. No. H.S.C./1074/R-1/DT : 8-8-1976
Reg. Code No. 23-09-002
Reg. U. Dis. No. 27341301006

"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार"
शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Estd. June 1984



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



Ph. : 0231-2658612, 2658840 | Fax : 0231-2658840 | Resi. : 0231-2653962 | Website : www.vivekanandcollege.org | E-mail : info@vivekanandcollege.org

Founder
Dr. Bapuji Salunkhe
D. Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/

Date :

LETTER OF THANKS

To,
Mr. Pranav Pathak.
Vishwa NDT Solution
Kolhapur

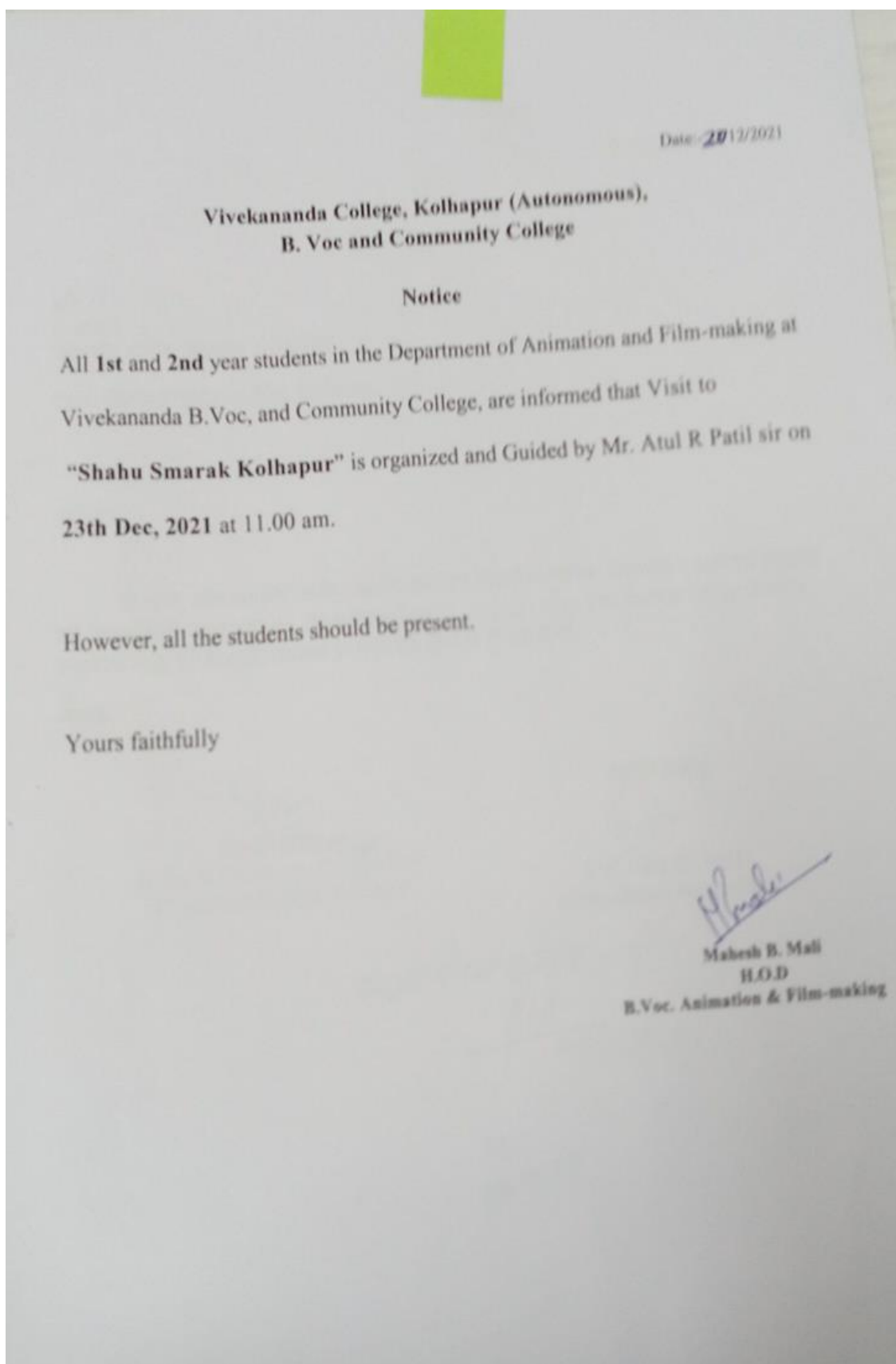
We are very much thankful to you for conducting the workshop in **Department Of Foundry Technology** held on Monday 14 March , 2022 at 10.30 a.m. in Vivekanand college (Autonomous), Kolhapur.

Your deliberations and suggestions are quite useful for our college.

Nodal Officer
B.Voc. & Community College Unit
Vivekanand College, Kolhapur

Yours faithfully,

(Dr. R.R.Kumbhar)
PRINCIPAL
Vivekanand College
Kolhapur



Date: 29/12/2021

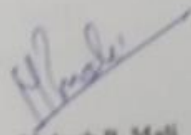
**Vivekananda College, Kolhapur (Autonomous),
B. Voc and Community College**

Notice

All 1st and 2nd year students in the Department of Animation and Film-making at Vivekananda B.Voc, and Community College, are informed that Visit to "Shahu Smarak Kolhapur" is organized and Guided by Mr. Atul R Patil sir on 23th Dec, 2021 at 11.00 am.

However, all the students should be present.

Yours faithfully


Mahesh B. Mali
H.O.D
B.Voc. Animation & Film-making

दि.20/12/2021

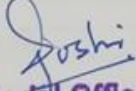
प्रति,
मा. प्राचार्य,
विवेकानंद कॉलेज, कोल्हापूर (ऑटोनोंमस)

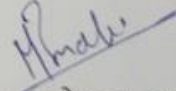
विषय - शैक्षणिक व्हिजीट आयोजित करणेबाबत....

महोदय,

बी. व्होक, अॅण्ड कम्युनिटी कॉलेज अंतर्गत ऑनिमेशन अॅण्ड फिल्म मेकिंग विभागातील प्रथम वर्ष व द्वितीय वर्ष विद्यार्थ्यांसाठी शाहूस्मारक येथे चित्रकला प्रदर्शनास दि. 23 / 12 / 2021 रोजी शैक्षणिक व्हिजीट आयोजित करावयाचे आहे. तरी त्यासाठी आपणाकडून परवानगी मिळावी ही नम्र विनंती.

कळावे.


Nodal Officer
B.Voc. & Community College Unit
Vivekanand College, Kolhapur

आपला विश्वासू,

(प्रा. महेश बा. माळी)
बी. व्होक ऑनिमेशन अॅण्ड फिल्म मेकिंग

संजुरी देणेसाठी हस्ताक्षर
23/12/2021

PR
30.12.21

Date :- 23/11/2021

Vivekanand College, Kolhapur (Autonomous)
Department of Animation & Film Making
 Academic Year: 2020-2021

Subject: _____

Sr. No.	Name of Student	Sign
1st Year		
1	Sayali Patil	
2	Shamala Patil	
3	Pooja Patil	
4	Sanjay Pavaskar	
5	Akash Jathar	
6	Yash Kumbhar	
7	Raj Pasare	
8	Rohan khandekar	
9	Vaishnavi Patil	
10	Adarsh Patil	
11	Aditya Dhamale	
12	Siddhesh Desai	
13	Aniket Landge	
14	Uday Kulkarni	
15	Safal Uplavikar	
16	Shivendra Ghatage	
17	Swapnil Shinde	
18	Rohan Padval	
2nd Year		
19	Madan Mukund Kamble	
20	Nikhil Vasant Kore	
21	Vaishnav S. Kamalakar	
22	Shivprasad S. Shinde	
23	Shushil Vitthal Kurbar	
24	Swapnil S. Dudhgaonkar	
25	Samarth M. Powar	
26	Vishvijit Vilasrao Patil	
27	Omkar Kiran Kachare	
28	Sanket Sardar Jadhav	
29	Shivraj Siddhu Misal	
30	Aman Usman Shaikh	
31	Pranoti Sunil panhalkar	
32	Monish S. Chandanshive	
33	Prasad Bhagvan Chile	
34	Jay Manik Katve	
35	Megha S. Kopardekar	
36	Chetan A Sukhre	
37	Pankaj P Tondale	

Faculty Sign

H.O.D Sign

Date:-23/12/2021

Report

Visit :- Shahu Smarak Kolhapur

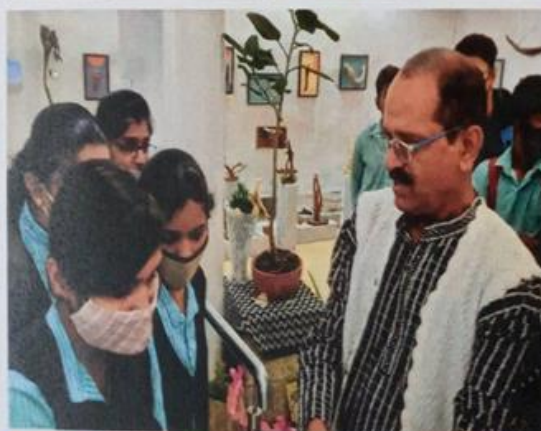
Under Swami Vivekananda B.Voc & Community College, Animation and Film-Making Department. Visit to Shahu Smarak Exhibition, Kolhapur was organised for all students on 23/12/2021.

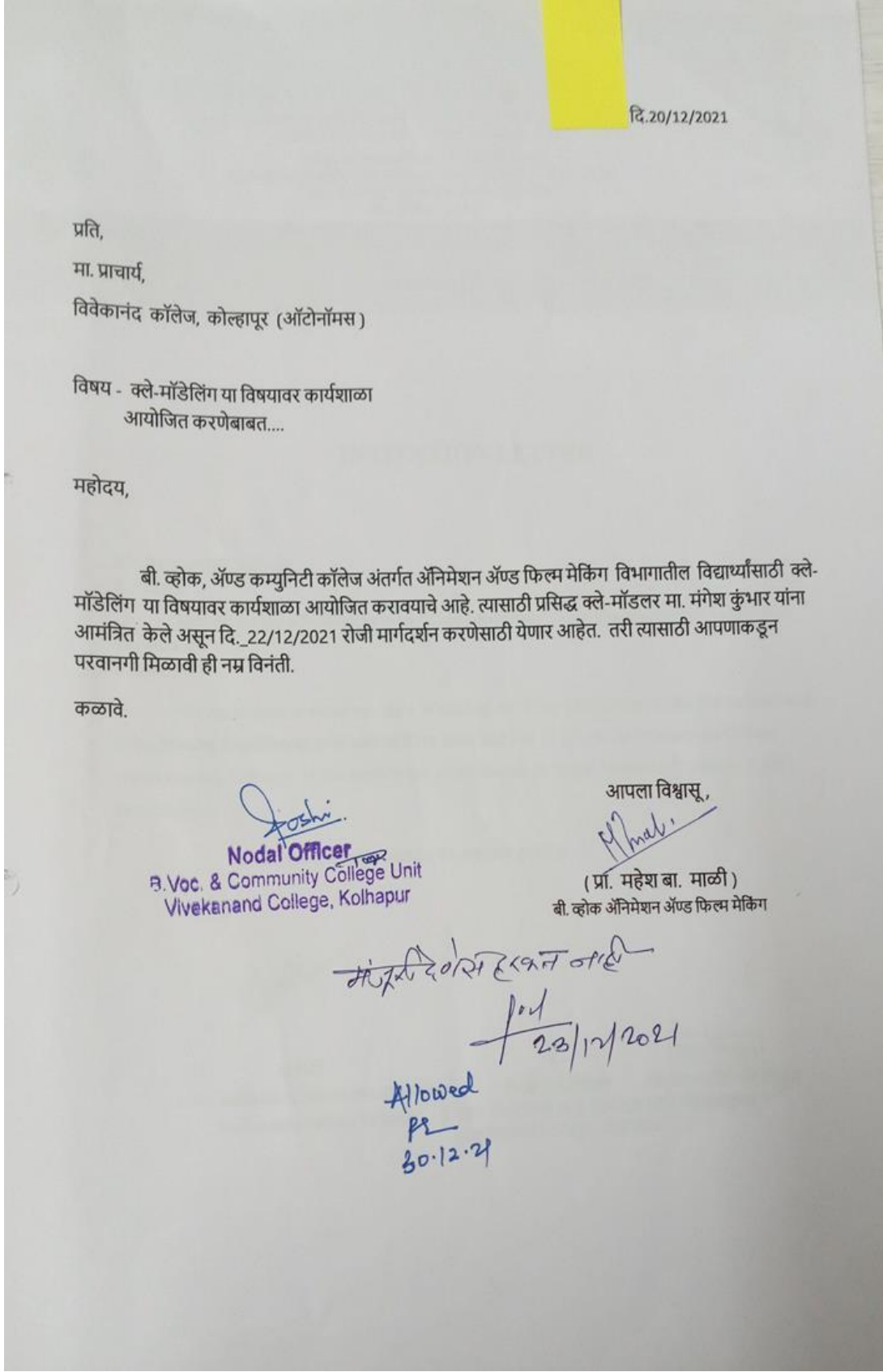
Sculptor & Prof. Mr. Anand Chogale Sir Made Tour of this exhibition and imported the visit to this place.

- a) Viewing properly and study various sculptures in art exhibitions.
- b) Guided by Sculptor & Prof. Mr. Anand Chogale Sir.
- c) Informed about what should be the structure of the exhibition.

Industrial Visit to Shahusmarak

Date :23/12/2021



16. Workshop on “Clay Modelling”**Animation and Film Making**

Jr. College Regn. No. H.D.C./1074/RE-1/DT : 8-8-1976
 Jr. College Code No. 23-09-002
 Jr. College U.Dise No. 27341301006

“ज्ञान, विज्ञान अर्थात् सुखकर योग्य शिक्षण प्रदान”
 शिक्षणपद्धती डॉ. बापूजी साहूकर

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
 2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
 Affiliated to Shivaji University, Kolhapur (M.S.)
 NAAC Reaccredited : "A" (CGPA 3.24)
 College with Potential for Excellence by U.G.C., New Delhi
 "Star College" by D.B.T. Govt. of India
 ISO 9001 : 2015

Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resl. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

Founder
Dr. Bapuji Salunkhe
 D. Lit.

President
Hon. Chandrakant Dada Patil
 MLA

Chairman
Prin. Abhaykumar Salunkhe
 M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
 M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
 M.Sc. M.Phil. Ph.D.

Ref. No. VCK/

Date :

INVITATION LETTER

To,


Mr. Mangesh Kumbhar,
 Kolhapur.

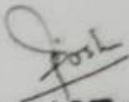
Subject: Invitation for Workshop on "Clay Modelling" for B. Voc Animation & Film-Making Department.

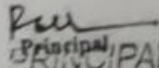
Respected Sir,

We are pleased to invite you for a Workshop on "Clay Modelling" in B. Voc Animation & Film-Making Department to be held on **22th Dec, 2021** at 11.00 am. at Vivekananda Collage (Autonomous), Kolhapur. In this Lecture you could discuss on "Clay Modelling" Industry & Job opportunities.

Please make it convenient for the seminar on time.


 H.O.D.
 B. Voc Animation & Film-Making Department.
 Vivekananda Collage, Kolhapur


Nodal Officer
 B. Voc. & Community College Unit Kolhapur
 Vivekanand College, Kolhapur


Principal
 Vivekananda Collage
 Kolhapur

Jr. College Recog. No. H.S.C./1074/R-1/DT: 8-8-1976
Jr. College Code No. 23-09-002
Jr. College U.Dise No. 27341301006

"ज्ञान, विज्ञान आणि सुरक्षितता यांचाही शिक्षण प्रसार"
शिवजीनगरी डॉ. बापूजी साहू

Estd.: June 1964



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resi. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

Founder
Dr. Bapuji Salunkhe
D. Lit.

President
Hon. Chandrakant Dada Patil
M.A.

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/

Date :

LETTER OF THANKS

To,

Mr. Mangesh Kumbhar,
Kolhapur.

Sir,

We are very much thankful to you for taking a Workshop on "Clay Modelling" in
B. Voc Animation & Film-Making Department held on **22th Dec, 2021** at 11.00 am. At
Vivekananda Collage (Autonomous), Kolhapur.

Your deliberations and suggestions are quite useful for our college.

H.O.D

B. Voc Animation & Film-Making Department
Vivekananda Collage, Kolhapur

Nodal Officer

B. Voc. & Community College Unit Kolhapur
Vivekanand College, Kolhapur

Principal
Vivekanand College

Date :- 22/12/2021

Vivekanand College, Kolhapur (Autonomous)
Department of Animation & Film Making
Department of Graphic Design
 Academic Year: 2021-2022

Subject:-

Sr. No.	Name of Student	Sign
1	Swapnil Sunil Chinde	
2	Adarsh Bhagawan Desai	
3	Ajay Sanjay Kulkarni	
4	Yash Ganardan Kumbhar	
5	Anuska Anurag Chitambar	
6	Adarsh Sanjay Patil	
7	Shivendra S. Ghoshale	
8	Rohan Sanjay Khundekar	
9	Ketan Nandkarn Potluri	
10	Ajay Prakash Pasare	
11	Sanjay Shashant Pawar	
12	Pratikash Subhash Chavhan	
13	Vinay Veerkatish Kumbhar	
14	Karthik. Anil. Nair	
15	Abhishek D. Kumbhar	
16	Talendra V. Patil	
17	Rishant S. Desai	
18	Vishal V. Patil	
19	Anushka Bhosale	
20	Anshu R. Chaudhary	
21	Saurabh Pawar	
22	Anshu Bhat	
23	Pravin Kumbhar	
24	Anand Kumbhar	
25	Shreyash Yadav	
26	Shreyash Yadav	
27	Nikhil V. Kore	
28	Ankur K. Kachare	
29	Shivaji Mishra	
30	Megha Kumbhar	
31	Vaishnavi D. Patil	
32	Pooja D. Patil	
33	Sakshi Patil	
34	Sharmila Patil	
35	Priyanka Patil	
36	Anushka Bhosale	
37	Karthik. Anil. Nair	
38	Yash Salgaonkar	
39		

Date:-22/12/2021

Report

Workshop :- Clay Modelling

Under Swami Vivekananda B.Voc & Community College, Animation and Film-Making Department. Workshop on Clay Modelling by The famous Clay Modeller Mr. Mangesh Kumbhar was organised for all students on 22/12/2021.

1. **Introduction:** Asst. Professor Nikhil Shinge Sir

2. **Guidance:**

- a) Introduction to Medium and tools.
- b) Use of Clay Models in Animation.
- c) Precautions to be taken while making a clay model.
- d) Certification.

3. **Gratitude:** By Asst. Professor Mahesh Mali Sir.

Workshop On
CLAY MODELLING : MANGESH KUMBHAR

Date :22/12/2021





“Education for Knowledge, Science and Culture”
-Shri. Bapuji Salunkhe
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)
INTERNAL QUALITY ASSURANCE CELL
2021-22



Criteria V

Activities Report

1. **Name of Department:** B.Voc Animation and Film-making
2. **Name of Organized Activity:** Guest Lecture on 2D Animation
Number of students benefited by guidance for competitive examinations and career counseling offered by the B.Voc department during the year.
3. **Date/ Duration:** 01/01/2022 Duration: 3 hrs.
4. **Aims and Objectives:** (2/3) Importance of Drawing in animation & Flash recognition
5. **No. of beneficiaries:** (Students) 30
6. **Expenditure & funding agency:/collaborators:** Nil
7. **Brief description:** (of Seminar/webinar/conference/guest lecture- resource persons, topics) (for other activities – brief procedure) lecture on 2D Flash Animation were organized by Mr. Vikas Kadam sir.
8. **Outcomes:** (whether the aim achieved) Yes, students understood the Use of Animation in various Companies and Organization.
9. **Photos:** (2/3)(only Geo-tagged)



10. Signatures of coordinator/ organizer:

M. Mali

दि. ३१ / १२ / २०२१

विवेकानंद कॉलेज (स्वायत्त), कोल्हापूर

बी. व्होक, अॅण्ड कम्युनिटी कॉलेज विभाग

नोटीस

बी. व्होक, अॅण्ड कम्युनिटी कॉलेज अंतर्गत ऑनिमेशन अॅण्ड फिल्म मेकिंग विभागातील द्वितीय व तृतीय वर्षातील सर्व विद्यार्थ्यांना कळविण्यात येते की "२ डी फ्लॅश ऑनिमेशन" या विषयावर गेस्ट लेक्चर आयोजित केले असून त्यासाठी प्रसिद्ध २डी ऑनिमेटर मा. विकास कदम यांचे मार्गदर्शन आहे.

तरी सर्व विद्यार्थ्यांनी शनिवारी दि. ०१ / ०१ / २०२२ रोजी सकाळी ठीक १०:३० वाजता ऑनिमेशन लॅब मध्ये उपस्थित रहावे.



(प्रा. महेश बा. माळी)

बी. व्होक ऑनिमेशन अॅण्ड फिल्म मेकिंग



Scanned with OKEN Scanner

Permission Letter

To,

The Principal,
Vivekananda College, Kolhapur.

Subject: Guest Lecture on "2D Animation"

Respected Sir,

B.Voc. Animation & Film-making Department going to arrange a Guest Lecture on "2D Animation" For Second and Third year students on **Saturday 01/01/2022** at 11.00 am. The Resource Person is **Mr. Vikas Kadam**, Professional Animator.

So, please give permission for this Guest Lecture. Remuneration for this is Rs.1500.00/-

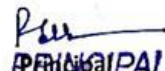
Thanking you.



(Mr. Mahesh B. Mali)
Animation & Film-making



Nodal Officer
B.Voc. & Community College Unit.
Vivekanand College, Kolhapur



PRINCIPAL
Vivekananda College
Kolhapur (Maharashtra)



Scanned with OKEN Scanner

Jr. College Recog. No. H.S.C./1074/R-1/DT : 8-8-1976
Jr. College Code No. 23-09-002
Jr. College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”
शिक्षणमहर्षी डॉ. बापूजी साबुळे

Estd. : June 1964



**Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)**

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003

Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)

College with Potential for Excellence by U.G.C., New Delhi

"Star College" by D.B.T. Govt. of India

ISO 9001 : 2015



Ph. : 0231-2658612, 2658840 | Fax : 0231-2658840 | Resl. : 0231-2653962 | Website : www.vivekanandcollege.org | E-mail : info@vivekanandcollege.org

Founder
Dr. Bapuji Salunkhe
D. Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/

Date :

INVITATION LETTER

To,
Mr. Vikas Kadam,
Kolhapur.

Subject: Invitation for Seminar on "2D Animation" for B. Voc Animation & Film-Making.

Respected Sir,

We are pleased to invite you for a seminar on "2D Animation" at **B. Voc Animation & Film-Making Department** to be held on Saturday 1 Jan 2022 at Vivekananda Collage (Autonomous), Kolhapur. In this seminar you could discuss on 2D Animation in Animation Industry & Job opportunities.

Please make it convenient for the seminar on time.

Nodal Officer

B.Voc & Community Collage Unit.
Vivekananda Collage, Kolhapur

Prin.
PRINCIPAL
Vivekananda Collage
Kolhapur



Scanned with OKEN Scanner

Jr. College Recog. No. H.S.C./1074/R-1/DT : 8-8-1976
Jr. College Code No. 23-09-002
Jr. College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुरांस्कार यांसाठी शिक्षण प्रसार”
शिक्षणमहर्षी डॉ. बापूजी साठुंगे

Estd. : June 1964



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



Ph. : 0231-2658612, 2658840 | Fax : 0231-2658840 | Resl. : 0231-2653962 | Website : www.vivekanandcollege.org | E-mail : info@vivekanandcollege.org

Founder
Dr. Bapuji Salunkhe
D. Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/

Date :

LETTER OF THANKS

To,

Mr. Vikas Kadam,

Kolhapur

Sir,

We are very much thankful to you for taking a seminar on "2D Animation" in B. Voc Animation & Film-Making Department held on Saturday 1 Jan 2022 at Vivekananda Collage (Autonomous), Kolhapur.

Your deliberations and suggestions are quite useful for our college.

Nodal Officer

B.Voc & Community Collage Unit.
Vivekananda Collage, Kolhapur

PRINCIPAL
Vivekanand College
Kolhapur
Kolhapur

Date :- 01/01/2022

Vivekanand College, Kolhapur (Autonomous)

Department of Animation & Film Making

Academic Year: 2021-2022

Subject:- Guest Lecture On 2D Animation in Flash

Sr. No.	Name of Student	Sign
1	Vinay Anil Kote	
2	Rohit Subhash Prasad	
3	Karthik Anil Nair	
4	Shubham Anil Kojikar	
5	Vishal Venkatesh Kurdekar	
6	Tejendra K. Patil	
7	Pravin Kamble	
8	Ankita Barambe	
9	Ankita Pawar	
10	Shreya Tadhar	
11	Atharav R. Chandekar	
12	Rahul B. Kagale	
13	Anushka Anil Bhosale	
14	Saurabh B. Pawar	
15	Vaishnav S. Kamalakat	
16	Chirag K. Kachare	
17	Nikhil V. Kere	
18	Sanket S. Tadhar	
19	Vishvijit V. Patil	
20	Samarth M. Pawar	
21	Shiraj Misal	
22	Tay M. Katve	
23	Megha S. Khopadke	
24	Chetan A. Sakhere	
25	Prasad B. Chite	
26	Swapnil S. Dudhagolkar	
27	Priyanka D. Patil	
28	Ketan Mahamuni	
29	Madan Kamble	
30	Shreyash Jadhav	
31		
32		
33		
34		
35		
36		
37		
38		
39		

Date:-01/01/2022

Report

Guest Lecture on: - 2D Animation

Under Swami Vivekananda B.Voc & Community College, Animation and Film-Making Department. For Second and Third year students on Saturday 01/01/2022 Guest lecture on 2D Flash Animation were organized by Mr. Vikas Kadam sir.

1. Introduction: Performed by Asst. Professor Atul Patil Sir.

2. Guidance:

- a) Importance of Drawing in animation
- b) The production pipeline
- c) Flash recognition
- d) Flash Production work
- e) Use of Animation in various Companies and Organisation.

3. Gratitude: By Asst. Professor Mahesh Mali Sir.

Date :01/01/2022

Guest Lecture On 2D Animation In Flash : Vikas Kadam



Scanned with OKEN Scanner



“Education for Knowledge, Science, and Culture”

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur
(Autonomous)**



19	One day workshop on Pearl Farming	Zoology	16/03/2022
----	--	----------------	------------

INDEX

Sr. No.	Content	Page No.
1.	Sanction letter	49
2.	Permission Letter	50
3.	Invitation Letter	51
4.	Workshop Brochure	52
5.	Programme Schedule	53
6.	Registration and Attendance	54-55
7.	Activity Photos	56-57
8.	Certificate	58
9.	Thanks Letter	59
10.	Report and news cutting	60-63



SHIVAJI UNIVERSITY, KOLHAPUR

Lead College Scheme

Council of Education's

D.R.K.College of Commerce, Kolhapur

649, C. Ward, Raviwar Peth, Azad Chowk, Kolhapur. Ph: No. 40231 - 2641224



Prin. (Dr.) V. A. Patil M.Com. M.Phil. Ph.D.
Chairman, Lead College Working Committee
M.9822917350

Shri. T. L. Kamble MA, M.L.S., M.Phil., SET
Member Secretary and Coordinator
M.8087034382

Lead College Working Committee Members

Prin. (Dr.) S. T. Salunkhe
Principal
Science Stream

Prin. (Dr.) V. M. Patil
Principal
Arts Stream

Prin. Dr. R. K. Shanedliwan
Principal
Arts Stream

(Dr.) S. V. Bansode
Physical Director

(Dr.) S. F. Bhothikar
N. S. S. Programme Officer

Shri. Azad Naikwadi
Performing Artist

Shri. Amol Korgaonkar
Businessman

Student Council Secretary

Ref D.R.K.C.C.K./Lead Conf 01/2021-22 Date 21-12-2021

प्रति,

मा. प्राचार्य,

**Vivekanand College,
Kolhapur.**



विषय :- शिवाजी विद्यापीठ अग्रणी महाविद्यालय योजने अंतर्गत क्लस्टर डी.
आर. के. कॉलेज ऑफ कॉमर्सद्वारे कार्यशाळांना मंजूरीबाबत.

महोदय,

वरील विषयास अनुसरून आपणास कळविणेत येते कि, आपण अग्रणी
महाविद्यालय योजनेअंतर्गत एक दिवसीय कार्यशाळेसाठी पाठविलेल्या
प्रस्तावांपैकी खालील विषयांच्या कार्यशाळांना मंजूरी देण्यात येत आहे.

अ.नं.	मंजूर कार्यशाळा विषय
01	Blended learning with LMS MOODLE.
02	Importance and opportunities in bio chemical science.
03	Pearl Farming.
04	Job opportunities in Pharmaceutical Industries.

सोबत जोडलेल्या सूचनांच्या आधून राहून कार्यशाळा पूर्ण कराव्यात.

समन्वयक

अग्रणी महाविद्यालय योजना
**COORDINATOR
LEAD COLLEGE SCHEME**

अध्यक्ष/प्राचार्य

अग्रणी महाविद्यालय योजना
**PRINCIPAL/CHAIRMAN
LEAD COLLEGE SCHEME**

प्रति,
21/12/21

Dr. Santakke
योग्यतेने नियोजन करावे

2

To,

Date 10/03/2022

The Principal

Vivekanand College, Kolhapur (Autonomous)

Subject: To get permission for the organization of workshop under lead college Scheme

Respected Sir,

We would like to organize one day workshop on "**Pearl Farming**" which is sanctioned by Shivaji University, Kolhapur and D. R. K. College of Commerce, Kolhapur under Lead college scheme held on 16/03/2022 in Department of Zoology, Vivekanand College, Kolhapur (Autonomous) through offline/online mode. This workshop will be beneficial for students to understand the scopes and employment opportunities in the field of pearl farming and aquatic biology.

Therefore, kindly request you to permit for the same.

Thanking you.

Yours faithfully,

G. K. Sontakke
for Dr. G. K. Sontakke
Head,
Department of Zoology
Vivekanand College,
Kolhapur (Autonomous)

PR
10.3.22

Jr. College Regdg. No. H.S.C./1074R-1/DT : 8-8-1976
Jr. College Order No. 23-09-002
Jr. College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुसंस्कार यांचाही विकास प्रसार”
विद्यार्थ्यांनी डॉ. बापूजी साळुंके

3
Estd. : June 1966



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



Ph : 0231-2658612, 2658840 Fax : 0231-2658840 Resi : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

Founder

Dr. Bapuji Salunkhe
D.Lit.

President

Hon. Chandrakant Dada Patil
MLA

Chairman

Prin. Abhaykumar Salunkhe
M.A.

Secretary

Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal

Dr. R. R. Kumbhar
M.Sc. M.Phil.

Ref. No. VCK/2103/2021-22

Date : 15.3.2022

INVITATION LETTER

To,
Mr. Dilip Kamble,
Kolhapur Pearl Farming and Training Centre
Sadoli Dumsala, Karveer, Kolhapur

Subject: Invitation as a resource person for One day workshop on "Pearl Farming"

Respected Sir,

We heartily inviting you as a resource person for to deliver the lecture on "Pearl Farming" under the **Lead Workshop of Shivaji university, Kolhapur** at Department of Zoology, Vivekanand College Kolhapur on 16th March 2022 (Wednesday) at 10.00 am onwards. I will hope you guide and motivate the students. Kindly accept our invitation and oblige.

Thanking you
Thanking you.

Yours faithfully,

R.R. Kumbhar

Dr. R.R. Kumbhar

PRINCIPAL
Vivekanand College
Kolhapur

Dr. College Reg. No. H.S.C./20749-107 9-8-1978
Dr. College Code No. 23-05-092
Dr. College U. Dist. No. 2734136-1804

" ज्ञानं विद्यां त्रयं सुरंगं चोपासी विद्यां प्रसादात्
शिवमयदीर्घी ह्यं वाङ्मयी वाङ्मये

Estd. : June 1964



**Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)**

2130, 'E' Tarshai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416 003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : 'A' (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



DEPARTMENT OF ZOOLOGY

Organized
One Day Workshop
On

'Pearl Farming'

Under Lead College Activity Scheme-Shivaji University, Kolhapur
and D. R. K. College of Commerce, Kolhapur

◆ **RESOURCE PERSON** ◆



Mr. Dilip Kamble
Kolhapur Pearl Farming and Training Centre
Sadoli Dumala, Karveer, Kolhapur

INVITEES

Dr. T. C. Gaupale
Coordinator
Department of Zoology

Dr. G. K. Sontakke
Convener and Head
Department of Zoology

Dr. C. J. Kamble
Coordinator, Lead College Scheme
Vivekanand College, Kolhapur

Dr. R. R. Kumbhar
Principal
Vivekanand College, Kolhapur

Organizing Committee
Staff, Department of Zoology,
Vivekanand College, Kolhapur

Date: 16th March, 2022, Wednesday Time: 10.00am - 5.00pm

Registration Link- <https://forms.gle/6FR3deWZUgqecprS6>

College Code No. 23-09-002

"ज्ञान, विज्ञान आणि सुसस्कार यासाठी शिक्षण प्रसार"

शिक्षणमहर्षी डॉ. बापूजी साठुंबे

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR [Autonomous]

(Affiliated to Shivaji University, Kolhapur)

NAAC Reaccredited : "A" with CGPA 3.24

College With Potential For Excellence

ISO 9001:2015

Estd. : June 1964

विवेकानंद कलेज

कोल्हापूर

DEPARTMENT OF ZOOLOGY
VIVEKANAND COLLEGE, KOLHAPUR

Organized One Day Workshop On

'Pearl farming'

UnderLead College Activity Scheme-Shivaji University, Kolhapur
and D.R.K.College of Commerce, Kolhapur

Date: 16th March, 2022, Wednesday Time: 09.30 am onwards

PROGRAMME SCHEDULE

Registration-	10.00am-10.30am
Innaugral Session:	10.30am to 11.00am
Introduction and Welcome:	Dr. T. C. Gaupale Assistant Professor, Department of Zoology
Chief Guest:	Dr. C. J. Kamble Coordinator, Lead College Scheme Vivekanand College, Kolhapur
Presidential Address:	Dr. R. R. Kumbhar Principal Vivekanand College, Kolhapur
Resource Person:	Mr. Dilip Kamble Pearl Farming and Training Centre, Kolhapur
Vote of Thanks:	Dr. T. C. Patil Assistant Professor, Department of Zoology
Session I:	11.00 am to 01.00 pm
Introduction to Resource Person:	Dr. G. K. Sontakke Assistant Professor, Department of Zoology
Resource Person:	Mr Dilip Kamble Pearl Farming and Training Centre, Sadoli Dumala, Kolhapur
Subject:	Fresh Water Pearl Culture
Vote of Thanks:	Dr. S. S. Desai Assistant Professor, Department of Zoology
Lunch:	01.00pm to 02.00pm
Session II:	02.00 pm to 04.00pm
Resource Person:	Mr. Dilip Kamble Pearl Farming and Training Centre, Sadoli Dumala, Kolhapur
Subject:	Job Opportunities in Pearl Culture
Velidictory function:	04.00pm to 05.00pm
Feedback:	Participants Feedback
Report of the Workshop:	Miss. N.A. Patel Assistant Professor, Department of Zoology
Vote of Thanks	

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

Department of Zoology

One Day Workshop on Pearl Farming

Under lead college activity scheme- Shivaji University, Kolhapur and D. R. K. College of Commerce, Kolhapur

16th March, 2022

Registration					
Sr. No.	Name of Faculty/ Student	Designation/ Class	Name of the College	Mobile number	Signature
1.	Ms Sunita B. Bhosale	Ast. teacher	Vivekanand College Kolhapur	9326933636	[Signature]
2.	Dr. Ashvini Babuzao Patil.	Asst. Teacher.	Vivekanand College Kolhapur	9422480323	[Signature]
3.	Dr. Shital Shantaram Pawar	Asst. Prof.	Rajaram College Kolhapur	9922395254	[Signature]
4.	Mr. Jagtap Santosh Sambhaji	Asst. Prof.	Rajashri Chhatrapati Shahu College, Kolhapur	9096739568	[Signature]
5.	Mr. Sattish Vinayak Upadikar	Asst. Prof.	Vivekanand College, Kolhapur	9890027651	[Signature]
6.	Dr. Mrs. Manjini Ajit More	Head Asst. Prof.	Gopal Krishna Gokhale College	9156312233	[Signature]
7.	Mrs. Swapnarae Pashin Jadhav	Asst. Prof.	Gopal Krishna Gokhale College	9156312233	[Signature]
8.	Mrs. Kavita S. Kumbhar	Head Asst. Prof.	Shri. Shahuji Chhatrapati Mahaji, Kolhapur	9096475319	[Signature]
9.	Mrs. Pooja S. Sawarkar	Asst. Prof.	CNCVCW, Kolhapur	9075986907	[Signature]
10.	Mrs. Manisha Salunkhe	Asst. Prof.	Vivekanand College, Kolhapur	9326933636	[Signature]
11.	Sheetal Mahadev Jannal	Asst. Prof.	The New College Kolhapur	9840108057	[Signature]
12.	Tekchand C. Gumpale	Asst. Prof.	Vivekanand College, Kolhapur	9552559317	[Signature]
13.	Miss Pallavi Sanjay Shetalkar	Asst. Prof.	Vivekanand College, Kolhapur	8669264031	[Signature]
14.	Ms. Vaishali Erushna Patil	Asst. Prof.	Vivekanand College, Kolhapur	9870194978	[Signature]
15.	Ms. Kanti Lalasa Kumbhar	Asst. Prof.	Vivekanand College, Kolhapur	9628584581	[Signature]
16.	Ms. Nupin Anam Patel	Asst. Prof.	Vivekanand College, Kolhapur	9767455497	[Signature]
17.	Dr. Sneha Sampatrao Desai	Asst. Prof.	Vivekanand College, Kolhapur	9972311718	[Signature]
18.	Dr. Gajanan K. Sontake	Asst. Prof.	Vivekanand College, Kolhapur	8830326943	[Signature]
19.					
20.					

Students

21.	Hemshada Narayan Bandekar	B.Sc. III	Rajaram college, Kolhapur	866592648	[Signature]
22.	Amruta Madhukar Kopardekar	B.Sc. III	Rajaram college, Kolhapur	8530501352	[Signature]
23.	Rutuja Sanjayao Parit	B.Sc. III	Rajaram college, Kolhapur	8605304919	[Signature]
24.	Nandini Laxman Gurav	B.Sc. I	Shri. Shahuji college, Kolhapur	8149490405	[Signature]
25.	Sakshi Ranjit Sonule	B.Sc. I	Shri. Shahuji College, Kolhapur	8888793398	[Signature]
26.	Shivraj Appasa Kalekar	B.Sc. I	Shri. Shahuji college, Kolhapur	9353719033	[Signature]
27.	Rahul Krushnaat Bhole	B.Sc. I	Shri. Shahuji college, Kolhapur	7620153850	[Signature]
28.	Ankar Mahadev Sagarikar	B.Sc. III	Shahu college, Kolhapur	7522902003	[Signature]
29.	Bhagyashri Prakash Patil	B.Sc. III	Shahu college, Kolhapur	9022361650	[Signature]
30.	Bhavana Ningappa Kumbhar	B.Sc. III	New college, Kolhapur	8501092560	[Signature]
31.	Shreaddha Madan Talekar	B.Sc. III	Shahu College Kolhapur	8530907605	[Signature]
32.	Ayesha Najee Torral	B.Sc. III	Shahu college Kolhapur	7841046469	[Signature]
33.	Rajkumar Bhushan Bhatnagar	B.Sc. III	Kyashri College, Kolhapur	8379948889	[Signature]
34.	Pooja Onkar Sanjay	B.Sc. III	Rajashri ch. Shahu college	8975234767	[Signature]
35.	Sakshi Rajendra Mane	B.Sc. III	Rajashri ch. Shahu college	9309748060	[Signature]
36.	Rinkal Rajat Kumbhar	B.Sc. III	Rajashri ch. Shahu college	9049357431	[Signature]
37.	Komal Ashok bhutal	B.Sc. III	Rajashri ch. Shahu college	8263040543	[Signature]
38.	Heena I. Shaikh	B.Sc. III	Rajashri ch. Shahu college	7666838654	[Signature]
39.	Angha Narayan Shinde	B.Sc. III	New College Kolhapur	9168200749	[Signature]
40.	Ashwini Anil Pawar	B.Sc. III	New college Kolhapur	9325634453	[Signature]
41.	Shrutika Narayan Mhetre	B.Sc. III	New college Kolhapur	9405321860	[Signature]
42.	Shrinendhi Prafulla Raut	B.Sc. III	The New College, Kolhapur	8308107426	[Signature]
43.	Somnuddhi Sunil Dalvi	B.Sc. III	The New college Kolhapur	7378431359	[Signature]
44.	Sakshi Suresh Patil	B.Sc. III	The New college Kolhapur	8421093074	[Signature]
45.	Akanksha Bapu Kumbhar	B.Sc. III	The New college Kolhapur	9370192142	[Signature]
46.	Hafeeza Fiaz Sankalgaon	B.Sc. III	The New college Kolhapur	9699206300	[Signature]
47.	Bhavara Ashok Kumbhar	B.Sc. III	The New college Kolhapur	7387835704	[Signature]
48.	Kshitiya Ramchandra Kumbhar	B.Sc. III	Rajaram College	7798903005	[Signature]

49.	Krunali Dhanaji Gurav	B.Sc. III	Rajaram College Kolhapur	7218767160	Gurav
50.	Priyanka B. Pol	B.Sc. III	R.C.S. college	9420545570	Pol
51.	Vaishnavi Rajesh chougale	B.Sc. III	G.K.G. college Kolhapur	9834004803	Chougale
52.	Pratiksha Achyutrao Tupe	B.Sc. III	G.K.G. College Kolhapur	7841813530	Tupe
53.	Sakshi Jitendra Chavan	B.Sc. III	G.K.G. College Kolhapur	8506965699	Chavan
54.	Arshi Yuvraj Vaghavakar	B.Sc. III	G.K.G. College Kolhapur	9579769716	Vaghavakar
55.	Anjali Manoj Kottar	B.Sc. III	G.K.G. college Kolhapur	9156169190	Kottar
56.	Yash Dilip Maske	B.Sc. III	G.K.G. College Kolhapur	7769043380	Maske
57.	Jayvant Kamesh Malawade	B.Sc. III	G.K.G. College Kolhapur	7218052179	Malawade
58.	Rohit Nagesh Jalhe	B.Sc. III	G.K.G. college Kolhapur	8552995932	Jalhe
59.	Shrutika Ananda Pawar	B.Sc. Envt. II	CNCVCW Cyber College	9356099258	Pawar
60.	Shreyas Kamdev Kamble	B.Sc. III	CNCVCW Cyber College	7350661725	Kamble
61.	Rugveda Anand Gawali	B.Sc. III	CNCVCW Cyber College	8010652133	Gawali
62.	Deepti Atul Nayak	B.Sc. III	CNCVCW Cyber College	9403464542	Nayak
63.	Shakantika Ramchandra Khot	B.Sc. III	Vivekanand College Kop.	8605007803	Khot
64.	Sanika Prashant Hekle	B.Sc. III	Vivekanand College, Kolhapur	7020272874	Hekle
65.	Priya Motes D'souza	B.Sc. III	Vivekanand C.K.	9527687485	D'souza
66.	Pranali Manik Magdum	B.Sc. III	Vivekanand C.K.	8767376710	Magdum
67.	Sakia M.R. Kothekar	B.Sc. III	Vivekanand C.K.	9172515096	Kothekar
68.	Ankita Ragunath Jadhav	B.Sc. III	Vivekanand C.K.	9579087463	Jadhav
69.	Shivani Vilas chougale	B.Sc. III	Vivekanand college K.	7558457600	Chougale
70.	Shital Bharat Jagtap	B.Sc. III	Vivekanand college	7385904238	Jagtap
71.	Shila Thavaru Jadhav	B.Sc. III	Vivekanand college, Kop.	7019640690	Jadhav
72.	Juveriya Dastagir Fakir	B.Sc. III	Vivekanand college Kolhapur	9420478600	Fakir
73.	Abhilasha Avinash Talav	B.Sc. III	Vivekanand college Kolhapur	9511796924	Talav
74.	Neha Namdev Kalantre	B.Sc. III	Vivekanand college Kolhapur	7744898671	Kalantre
75.	Habib Yunus Mulani	B.Sc. III	Vivekanand college Kolhapur	8793126587	Mulani
76.	Suvarna Sanjay Khot	B.Sc. III	Vivekanand college Kolhapur	8530897224	Khot

77.	Aditi Sudhir Yadav	B.Sc. III	V.C.K.	7558193466	Yadav
78.	Aditi Atul Patil	B.Sc. III	V.C.K.	8237869609	Patil
79.	Ankita Ro	B.Sc. III	Vivekanand college, Kolhapur	7558294200	Ro
80.	Samiksha Umesh shelar	B.Sc. III	Vivekanand college, Kolhapur	7559187611	Shelar
81.	Amruta Suresh Kamble	B.Sc. III	V.C.K.	8040550602	Kamble
82.	Rajvaradhini Jaysing Patil	B.Sc. III	V.C.K.	8007490903	Patil
83.	Swapnali Madhukar Yewakule	B.Sc. III	Vivekanand college, Kolhapur	8788674523	Yewakule
84.	Shrawani Sudhakari Desai	B.Sc. III			Desai
85.					
86.					
87.					
88.					
89.					
90.					
91.					
92.					
93.					
94.					
95.					
96.					
97.					
98.					
99.					
100.					
101.					
102.					
103.					
104.					

Total = (81)

Head,
Department of Zoology
Vivekanand College,
Kolhapur (Autonomous)

Vivekanand College Kolhapur (Autonomous)
Department of Zoology
Lead College Workshop on PEARL FARMING Date-16.03.2022



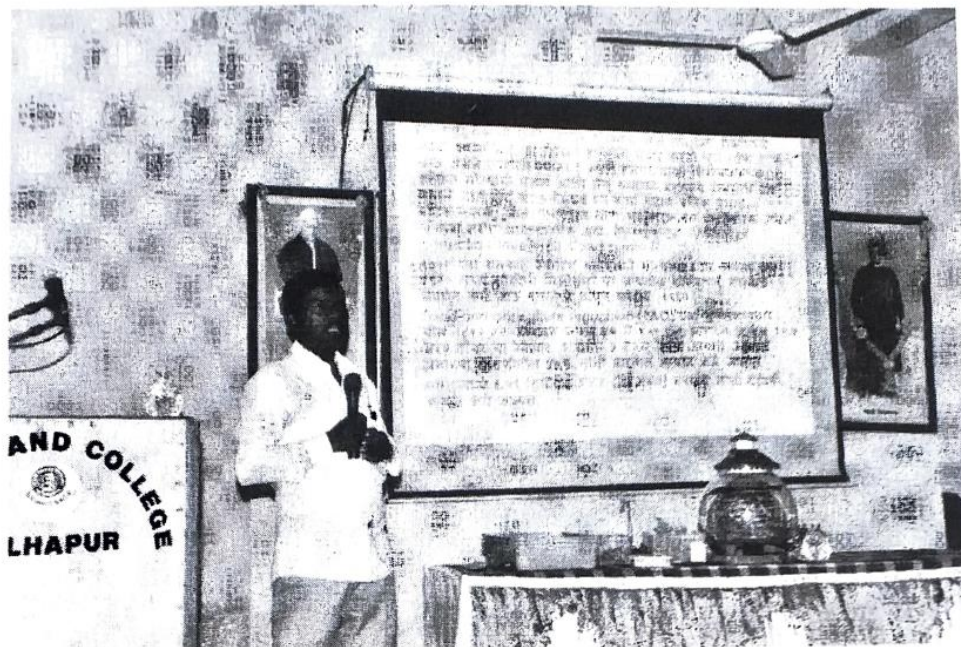
Inauguration of workshop by watering plant by Principal Dr. R. R. Kumbhar, Resource person Mr. Dilip Kamble and Head Department of Zoology, Dr. G. K Sontakke



Welcome of Resource person Mr. Dilip Kamble by offering the plant and book by Principal Dr. R. R. Kumbhar, Vivekanand College, Kolhapur.

G. K. Sontakke
Head,
Department of Zoology

Vivekanand College Kolhapur (Autonomous)
Department of Zoology
Lead College Workshop on PEARL FARMING Date-16.03.2022




Mr. Dilip Kamble sharing his experience and knowledge on pearl farming



Participant from lead college cluster on the occasion of one day workshop on pearl farming

Gitan.
2022
Department of Zoology
Vivekanand College
Kolhapur (Autonomous)

20




" Education for Knowledge, Science & Culture "

-Shikshan Mahashtri Dr. Bopuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

NAAC Accredited 'A' Grade With CGPA 3.24, College With Potential For Excellence by UGC




Certificate Of Participation


This is to certify that Prof./Dr./Mr./Mrs. _____ of _____

_____ has actively participated in the one day workshop on _____

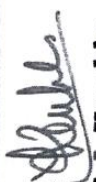
"Pearl Farming" under Lead College Scheme of Shivaji University, Kolhapur and D.R.K. College of Commerce, Kolhapur organized by Department of Zoology, Vivekanand College, Kolhapur (Autonomous) held on 16th March, 2022.




Dr. T. C. Gaupale
Coordinator
Department Of Zoology



Dr. G. K. Sontakke
Convenor and Head
Department of Zoology



Dr. C. J. Kamble
Coordinator
Lead College Scheme



Dr. R. R. Kumbhar
Principal

College Regd. No. H.S.C./1074(R-1)DT 8-8-1978
College Code No. 23-09-002
College U.Dise No. 27341301008

“ज्ञान, विज्ञान आणि सुसंस्कार वांछनी शिक्षण प्रसार”
विद्यार्थ्यांनी डॉ. बापूजी साबुंबे

23
Estd : June 1964



**Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)**

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



(स्वायत्त) कोल्हापूर

Ph: 0231-2658612, 2658840 Fax: 0231-2658840 Resi: 0231-2653962 Website: www.vivekanandcollege.org E-mail: info@vivekanandcollege.org

Founder

Dr. Bapuji Salunkhe
D.Lit.

President

Hon. Chandrakant Dada Patil
MLA

Chairman

Prin. Abhaykumar Salunkhe
M.A.

Secretary

Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal

Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/ 2021-22 / By hand

Date: 16/03/2022

Letter of Appreciation

To,

Mr. Dilip Kamble,

Kolhapur Pearl farming and Training Centre,
Sadoli Dumala, Karveer, Kolhapur.

It gives me an immense pleasure to put on record of heartiest thanks for delivering a informative and interesting lecture as a resource person on One Day Workshop on "Pearl Farming" dated 16th March, 2022, organized by Department of Zoology, Vivekanand college, Kolhapur (Autonomous) Under Lead College activity scheme- Shivaji University, Kolhapur and D. R. K. College of Commerce, Kolhapur.

It was really an inspiring lecture and all the students and Faculty are oriented from your view. We sincerely thanks for accepting our invitation and enlightening the students.

Thanking you.

Yours faithfully,

R.R.K.

(Dr.R.R.Kumbhar)

PRINCIPAL
Vivekanand College
Kolhapur

“Education for Knowledge, Science and Culture”

-ShikshanMahashri Dr. Bapuji Salunkhe

Shri. Swami Vivekanand Shikashan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

Department of Zoology

Academic Year 2021 – 2022

Report - One Day workshop on “Pearl Farming”

**Under Lead College Scheme- Shivaji University, Kolhapur and D. R. K. College of
Commerce, Kolhapur**

Venue: Library Hall

Date :16/03/2022

With the objective to acquaint students with the knowledge, skills and to spread the awareness regarding Pearl farming and job opportunities related to it Department of Zoology, Vivekanand College, Kolhapur (Autonomous) has organized one day workshop on "Pearl farming" under Lead college scheme, Shivaji university, Kolhapur and Dr. Ratnappa Kumbhar College of Commerce, Kolhapur on 16th March, 2022 at 10.30 am to 5.30 am. Pearl farming is one of the best aquaculture businesses and best profitable business venture in India, as Pearls have excellent demand in the market. Who can get into the Pearl farming business? Well, anybody who is interested to earn profits by dedicating his time to culture the oysters. Pearls have great demand in local as well as export markets. So, it is very much essential to gather students and expertise together through such workshop to emphasize the importance of freshwater Pearl farming in the country and how to develop entrepreneurship through Pearl culture. This workshop is also aimed to increase enthusiasm among student regarding Pearl farming.

Hon'ble principal Dr. R. R. Kumbhar Sir, Principal, Vivekanand College, Kolhapur (Autonomous), graced the occasion as a president of this workshop and chief guest for the workshop was Dr. C. J. Kamble, Co-Ordinator, Lead college activity, Vivekanand College, Kolhapur (Autonomous). Wife of Mr. Dilip Kamble sir was also present as a special guest. The workshop was started with an inaugural session and it is inaugurated by Respected principal Dr. R. R. Kumbhar, Resource person Mr. Dilip Kamble Sir, and Convener and Head, Department of Zoology, Dr. G. K. Sontakke Sir by watering the plant sapling. Dr. T. C. Gaupale, Assistant Professor and Co-Ordinator of workshop has delivered an introductory speech. He welcomed resource person Mr. Dilip Kamble sir, Pearl farmer, Sadoli Dumala. Hon'ble presidents, chief guest and all students on behalf of organizer. He explained purpose of the workshop and also highlights aims and objectives. It is followed by felicitation of the guests. Hon'ble principal Dr. R. R. Kumbhar Sir felicitated resource person Mr. Dilip Kamble sir by offering book as a source of knowledge and a token of love and respect. Hon'ble principal Dr. R. R. Kumbhar Sir, in is

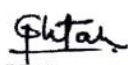
presidential address guided participants and shared valuable knowledge about workshop and also mentioned importance of such workshop for the students and motivate student to grab such great opportunities. Vote of thanks for inaugural session was offered by Dr. T. C. Patil madam.

The first session of the workshop is on started at 11.00 am. after inaugural session was based on Fresh water Pearl culture. Introduction of resource person Mr. Dilip Kamble sir is given by respected Dr. G. K. Sontakke sir, Head & Assistant Professor, Department of Zoology, Vivekanand College, Kolhapur (Autonomous). Resource person Mr. Dilip Kamble sir provides excellent knowledge and idea about Pearl farming. Sir mentioned different types of peals, techniques for Pearl culture. Most important sir introduced pre-operational conditions Pearl production. The Session ended with vote of thanks offered by Dr. S. S. Desai madam. After the first session all the respected guests and participant enjoyed their lunch

Second session of workshop based on techniques and job opportunities in Pearl culture. This session again conducted by resource person Mr. Dilip Kamble in a very excellent way. Sir provides valuable information about in detailed techniques and mentioned very keen observations required for maintenance of culture. Sir also mentioned about how to maintain the record, Economics of Pearl farming, Government schemes and methods for testing originality of Pearl the best profitable business opportunities for students and gives useful insight to it.

The valedictory function is chaired by Dr. Shital Taware Sir, Assistant professor, Rajaram College, Kolhapur and express his views about importance of such workshops. The students and teachers give positive feedback about workshop. Summarized report of workshop has given by Ms. N. A. Patel and also offered Vote of thanks for the workshop. In the vote of thanks organizer expresses their gratitude towards Shivaji University, Kolhapur and also towards Vivekanand College and Shri Swami Vivekanand Shikshan Sanstha, Kolhapur for providing such a great opportunity and give support. Teachers and students are very active and their faces reflects the thirst of their knowledge. Responsibility for anchoring of the workshop was handled by Ms. Juveria Bandar and Priya D'souza in an excellent way. Total 110 participants have participated in workshop among them 18 were teachers & 92 students.

This workshop will definitely motivate students for the Pearl farming and give insight to them about the best job opportunities in this field. It provided basic information about Pearl farming and also introduced participants with the techniques of Pearl culture. This workshop will definitely have a small role to strengthen HRD on in important sector of Pearl farming. No doubt this event is successful one.


Dr. G. K. Sontakke
Head,
Department of Zoology
Vivekanand College,
Kolhapur (Autonomous)

दे. तरुण भारत

शुक्रवार, २५ मार्च २०२२

माहत्वाचे

मोती शेती विषयावर विवेकानंदमध्ये कार्यशाळा

कोल्हापूर : शिवाजी विद्यापीठ आणि डी. आर. के. कॉलेज ऑफ कॉमर्स अग्रणी महाविद्यालय योजने अंतर्गत विवेकानंद कॉलेजमधील प्राणीशास्त्र विभाग यांच्या वतीने पर्ल फार्मिंग (मोती शेती) या विषयावर कार्यशाळेचे आयोजन करण्यात आले होते. या कार्यशाळेचे उद्घाटन प्राचार्य डॉ. आर. आर. कुंभार, मोती संवर्धन व प्रशिक्षण केंद्र, सडोली दुमालाचे डॉ. सी. जे. कांबळे, दिलीप कांबळे यांच्या हस्ते झाले. यावेळी दिलीप कांबळे यांनी मोती कसे तयार होतात. त्यासाठी आवश्यक प्रशिक्षण, त्यातून मिळणारा नफा आणि व्यवसाय संधी याबाबत मार्गदर्शन केले. प्रास्ताविक डॉ. टी. सी. गौपाले यांनी केले. पाहुण्यांचा परिचय डॉ. जी. के. सोनटक्के यांनी करून दिला. सुत्रसंचालन जुवेरिया बाणदार व प्रिया डिसुजा यांनी केले. यावेळी विद्यार्थी, विद्यार्थिनी, प्राध्यापक मोठ्या संख्येने उपस्थित होते.

Gutkar

Head,
Department of Zoology



“Education for Knowledge, Science, and Culture”

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur
(Autonomous)**



19	One day workshop on Job Opportunities in Pharmaceutical Industries	Biotechnology	13/03/2022
-----------	---	----------------------	------------

INDEX

Sr. No.	Content	Page No.
1	Sanction letter	65
2	Invitation Letter	66
3	Pogramme Schedule	67
4	Photos	68-69
5	Certificate	69
6	Attendance	70-71
7	News and Report	72
8	Report and news cutting	73



SHIVAJI UNIVERSITY, KOLHAPUR

Lead College Scheme

Council of Education's

D.R.K. College of Commerce, Kolhapur

649, C Ward, Raviwar Peth, Azad Chowk, Kolhapur. Ph: No. 0231-2641224



Prin. (Dr.) V. A. Patil M.Com. M.Phil. Ph.D.
Chairman, Lead College Working Committee
M. 9822917350

Shri. T. L. Kamble M.A. M.L. Sc. M.Phil. SET
Member Secretary and Coordinator
M. 8087034382

Lead College Working Committee Members

Prin. (Dr.) S. T. Salunkhe
Principal
Science Stream

Prin. (Dr.) V. M. Patil
Principal
Arts Stream

Prin. Dr. R. K. Shanedliwan
Principal
Arts Stream

(Dr.) S. V. Bansode
Physical Director

(Dr.) S. F. Bhothikar
N. S. S. Programme Officer

Shri. Azad Naikwadi
Performing Artist

Shri. Amol Korgaonkar
Businessman

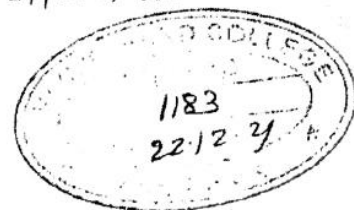
Student Council Secretary

Ref D.R.K.C.C.K./Lead Conf 01/2021-22 Date 21-12-2021

प्रति,

मा. प्राचार्य,

Vivekanand College,
Kolhapur.



विषय :- शिवाजी विद्यापीठ अग्रणी महाविद्यालय योजने अंतर्गत क्लस्टर डी.
आर. के. कॉलेज ऑफ कॉमर्सद्वारे कार्यशाळांना मंजुरीबाबत.

महोदय,

वरील विषयास अनुसरून आपणास कळविणेत येते कि, आपण अग्रणी महाविद्यालय योजनेअंतर्गत एक दिवसीय कार्यशाळेसाठी पाठविलेल्या प्रस्तावांपैकी खालील विषयांच्या कार्यशाळांना मंजुरी देण्यात येत आहे.

अ.नं.	मंजूर कार्यशाळा विषय
01	Blended learning with LMS MOODLE.
02	Importance and opportunities in bio chemical science.
03	Pearl Farming.
04	Job opportunities in Pharmaceutical Industries.

सोबत जोडलेल्या सूचनांच्या आधून राहून कार्यशाळा पूर्ण कराव्यात.

समन्वयक

अग्रणी महाविद्यालय योजना
COORDINATOR
LEAD COLLEGE SCHEME

अध्यक्ष/प्राचार्य

अग्रणी महाविद्यालय योजना
PRINCIPAL/CHAIRMAN
LEAD COLLEGE SCHEME

g. No. H.S.C./1074/R-1/DT : 8-8-1976
No. 23-09-002
e No. 27341301006

“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”
शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Estd. : June 1964



विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)

२९३०, ई, ताराबाई पार्क, कोल्हापूर, ता. करवीर, जि. कोल्हापूर - ४९६ ००३

शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत

नॅक मानांकन : 'A' (सी.जी.पी.ए. ३.२४)

कॉलेज उईथ पोटेन्शियल फॉर एक्सलन्स, यु.जी.सी., न्यु दिल्ली

स्टार कॉलेज - डी.बी.टी. - भारत सरकार

आय.एस.ओ. ९००१:२०१५



58612, 2658840 Fax : 0231-2658840 Resl. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

लुंखे
D. Lit.

अध्यक्ष

मा. आमदार चंद्रकांत दादा पाटील
MLA

कार्याध्यक्ष

प्राचार्य अभयकुमार साळुंखे
M.A.

सचिव

प्राचार्या सौ. शुभांगी गावडे
M.Sc., B.Ed.

प्राचार्य

डॉ. आर. आर. कुंभार
M.Sc. M.Phil. Ph.D.

विवे.सी.के. / 20-56/2021-22

दिनांक :

81/3/2022

Mr. Sachin Kumbhoje
CEO and Director,
OPEX Accelerator Pvt Ltd. Kolhapur.

**Subject: Invitation as a Resource Person for One day workshop
“Job Opportunities in Pharma Industries”.**

Respected Sir,

This gives me great pleasure to invite you as a resource person for the one day workshop “Job Opportunities in Pharma Industries” Organised by Department of Biotechnology (Entire), Vivekanand College, Kolhapur (Autonomous) under lead college scheme Shivaji University, Kolhapur in D.R.K Commerce College cluster. As you have immense experience in the field of Industrial and Parma Biotech startups and opportunities. Your guidance will be important for our students. I request you enlighten our students with your knowledge.

Thanking You,

Yours Faithfully

R.R.
Dr. R.R. Kumbhar
PRINCIPAL
Vivekanand College
Kolhapur



"Education for Knowledge Science and Culture"
-Dr Bapuji Salunkhe



Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

DEPARTMENT OF BIOTECHNOLOGY ORGANIZES

One Day Work shop on

Job Opportunities in Pharmaceutical Industries

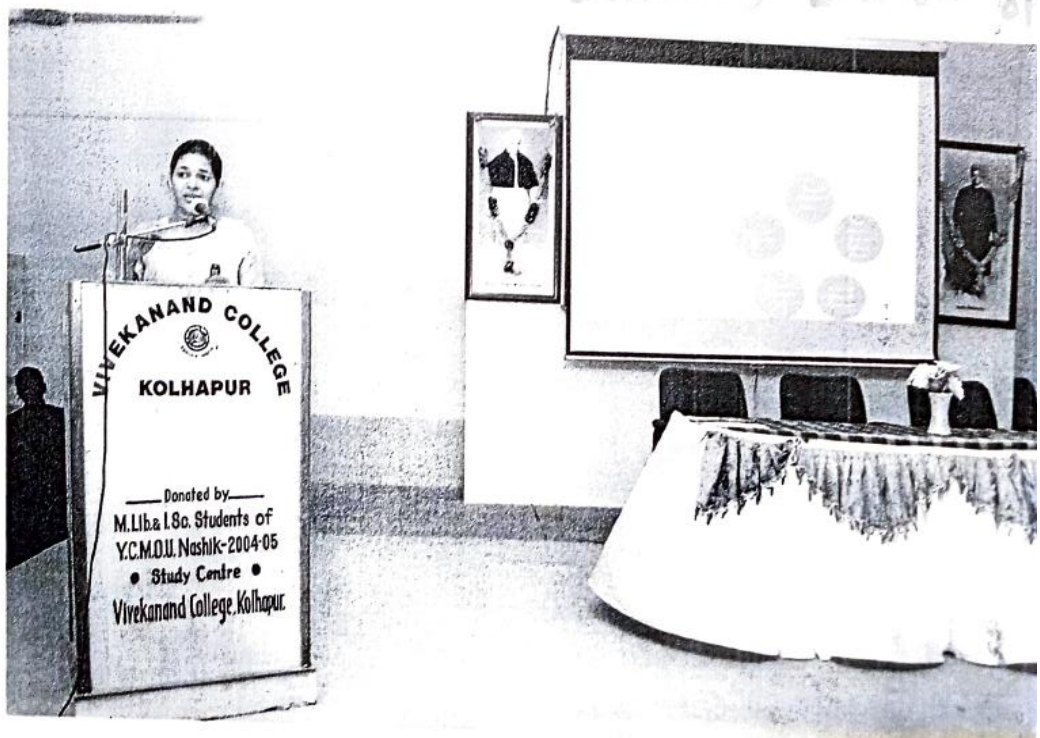
under Lead College Activity, D.R.K College of Commerce Cluster,
Shivaji University, Kolhapur.

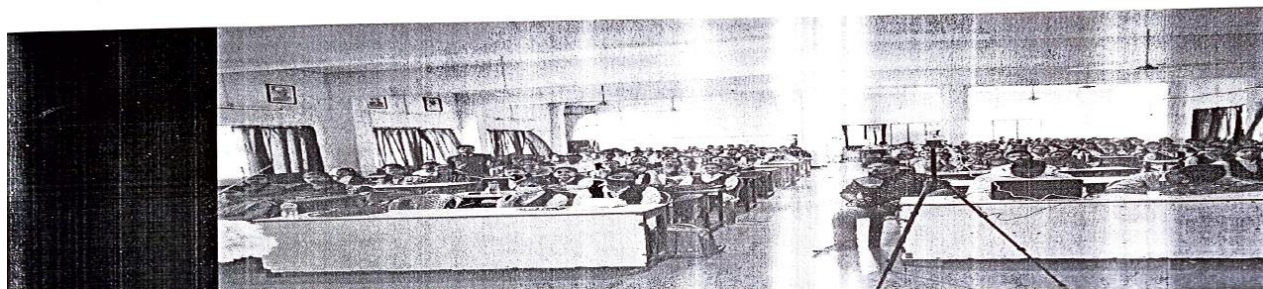
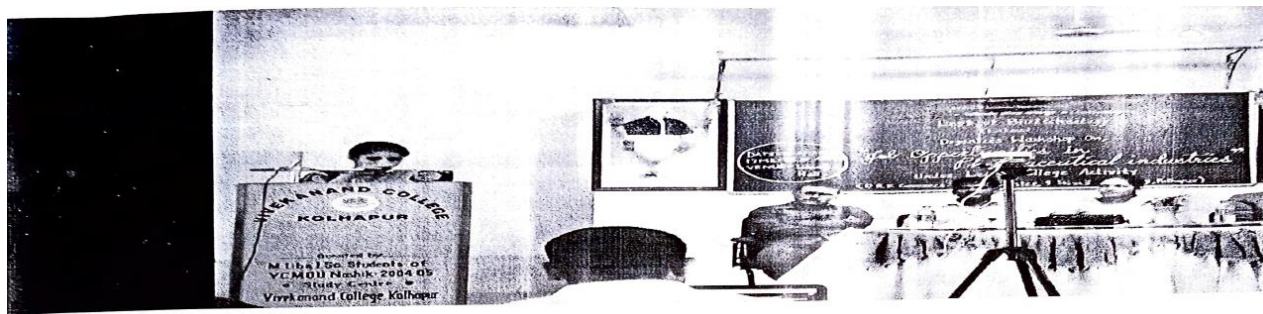
Program Schedule (OFF line Mode) Venue- Library Hall on 11/03/2022

Inauguration and welcome guration by President and chief guest (By Watering the Plant)	: 11:30 am to 12:00 am : Mr.S.V.Malgaonkar (Asso Prof Lead College Convenor, Vivekanand College, Kolhapur)
Introduction and Welcome of the Guest	: Mr. S.G.Kulkarni, Head (Dept of Biotechnology Entire)
Presidential Address	: Mr.S.V.Malgaonkar (Asso Prof Lead College Convenor,) Vivekanand College, Kolhapur
Vote of Thanks	: Mr. A.L.Upadhye
First Session	: Mr. Sachin Kumbhoje CEO & Director OPEX Accelerator Pvt Ltd (12:00-1.00 pm)
Lunch Break	: 01:00 pm – 02:00 pm
Second Session	: Mrs Prajakata P. Deshpande Manager, QA/QC Section S.G. Phytopharma Pvt Ltd (02:10 -03:10 pm)
Valedictory Function	: 04:00 -04:30 pm



Mrs. Prajita Deshpande IInd Resource
Delivering Lecture








"Education for Knowledge, Science and Culture"
- Dr Bapuji Salunkhe




Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
 Reaccredited with 'A' Grade with CGPA 3.24, College with Potential for Excellence by UGC, New Delhi
 "Star College" by D.B.T Government of India, ISO: 9001-2015

Certificate

This is certified that Mr. /Ms/ Mrs. /Dr _____
 of _____ has participated in One Day Workshop on
"Job Opportunities in Pharmaceutical Industries" under Lead College Activity, D.R.K College of
 Commerce Cluster, Shivaji University, Kolhapur, organized by Department of Biotechnology, Vivekanand
 College, Kolhapur on Friday 11th March 2022.


Mr. S.G. Kulkarni
 Program Co-ordinator


Mr. C.J. Kamble
 Co-Ordinator, Lead College Scheme



Dr R.R. Kumbhar
 Principal

"ज्ञान, विज्ञान आणि सुसंस्कार यांचाही शिक्षण प्रसार" - शिक्षणमहावीर स.बापूजी सारंगे

शिवानी विद्यापीठ अग्रणी महाविद्यालय (बी.आर.के. कॉलेज ऑफ कॉमर्स वनाकर) योजने अंतर्गत

विवेकानंद कॉलेज, कोल्हापूर आयोजित

"Job Opportunities in Pharmaceutical Industries"

एकदिवसीय कार्यशाळा अतिथित गोंद ३ शुक्रवार दिनांक 11.3.2022

अ.नं.	विद्यार्थी प्राध्यापकाचे विद्यार्थ्याचे नाव	वर्ग	महाविद्यालयाचे नाव	सही
1.	Sejal S. Bugate	FY	VCK Autonomous	<i>Sejal</i>
2.	Janaya P. Kuxade	FY	VCK Autonomous	<i>Kuxade</i>
3.	Vaishnavi S. Desai	FY	VCK Autonomous	<i>VSDesai</i>
4.	Gayatri P. Patil	FY	V.C.K. Autonomous	<i>Gayatri</i>
5.	Neha K. Kadam	FY	V.C.K. Autonomous	<i>Neha</i>
6.	Desha S. Notani	FY	V.C.K. Autonomous	<i>Desha</i>
7.	Aditi A. Vedpattak	FY	V.C.K. Autonomous	<i>Aditi</i>
8.	Sakshi M. Hajgude	FY	V.C.K. Autonomous	<i>Sakshi</i>
9.	Pooja T. Dawkare	FY	V.C.K. Autonomous	<i>Pooja</i>
10.	Saksh P. Dixit	FY	V.C.K. Autonomous	<i>Saksh</i>
11.	Sanika V. Kule	FY	V.C.K. Autonomous	<i>Sanika</i>
12.	Fardin M. Nakandar	FY	V.C.K. Autonomous	<i>Fardin</i>
13.	Pruthviraj A. Patil	FY	V.C.K. Autonomous	<i>Pruthi</i>
14.	CPJ Mohan Yadav	F.Y.	V.C.K. Autonomous	<i>Mohan</i>
15.	Mohit Sunil More	F.Y.	V.C.K. Autonomous	<i>Mohit</i>
16.	Sourabh Sambhaji Bhatnagar	F.Y.	V.C.K. Autonomous	<i>Sourabh</i>
17.	Arman Abdulgafar Khuram	F.Y.	V.C.K. Autonomous	<i>Arman</i>
18.	Omkar Balasa Kesarkar	F.Y.	V.C.K. Autonomous	<i>Omkar</i>
19.	Suraj Santosh Kadam	F.Y.	V.C.K. Autonomous	<i>Suraj</i>
20.	Tankaj Sunil Zizange	F.Y.	V.C.K. Autonomous	<i>Tankaj</i>

“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार” - शिक्षणमहार्षी डॉ. बापूजी साबुळे

शिवाजी विद्यापीठ अग्रणी महाविद्यालय (डी.आर.के. कॉलेज ऑफ कॉमर्स क्लस्टर) योजने अंतर्गत
विवेकानंद कॉलेज, कोल्हापूर आयोजित

“Job Opportunities in Pharmaceutical Industries”

एकदिवसीय कार्यशाळा उपस्थित नोंद : शुक्रवार दिनांक 11.3.2022

अ.नं.	विद्यार्थी प्राध्यापकाचे विद्यार्थ्याचे नाव	वर्ग	महाविद्यालयाचे नाव	सही
1.	^{Krishna} Ms. Swarda Deshpande	Assistant Professor	CNCVCW	K. Deshpande
	Miss. Revati Mane	BFTM-III	College of	Mane
	Miss. Tejaswini Alavkar	B.F.TM-III	Non-conventional	Alavkar
	Miss. Trupti Kulkarni	BFTM-III	Vocational	Prak
	Miss. Shivani Raghunath	B.F.TM-III	Courses for Women	S.D. Raghunath
	Miss. Vaishnavi Tembugade	B.Sc. III	(CSIBER) KolP.	Tembugade
2.	Mrs. Priyanka S. Kulkarni	Asst. Professor	Shri Shahaji	Prak
	Miss. Nikita N. Tambekar	BSC-III	Chhatrapati	N.T.
	Miss. Devyani C. Dabhadre	Bsc-III	Mahavidyalaya	D.C. Dabhadre
	Miss. Priyanka A. Ekshinge	Bsc-III	(Kolhapur)	Priyanka
	Miss. Mandira D. Gandure	BSC-III		Mandira
	Miss. Aishwarya M. Patil	Bsc-III		A.M. Patil
3.	Mr. Sutar Prakash Pandurang	Faculty	G.K. Gokhale	Sutar
	Miss. Divya D. Garad		College,	Garad
	Miss. Divya B. Barade		Kolhapur	Barade
	Mr. Vishwajeet V. Nimbalkar			Nimbalkar
	Mr. Shubham G. Sale			Shubham

LIVE 



Vivekanand College, Kolhapur
(Autonomous)
[Dept. of Biotechnology (Entire),
Career Guidance Cell] &
OpEx Skill Development, Kolhapur
Jointly Organised

OpEx



LIVE Webinar

Career Opportunities in Pharma Quality Control

Speaker

Sachin Kumbhoje

CEO, OpEx Accelerator Private Limited

Monday, 11 APRIL 2022 | Virtual Platform

Best Recommended Webinar for

M.Sc. & B.Sc. Students, Graduates & Professionals

Register Now for Free | www.opexindia.com



“Education for Knowledge, Science and Culture”
-Shikshamamaharshi Dr. Bapuji Salunkh

Vivekanand College, Kolhapur
(Autonomous)
Internal Quality Assurance Cell
2021-22



Criteria V- Activities Report

1. **Name of Department:-** Biotechnology-Entire
2. **Name of Organized Activity:-** Shivaji University Sponsored Lead college activity Under D.R.K. Commerce College, Kolhapur One Day Workshop
3. **on “Job Opportunities in Pharmaceutical Industries.”**
4. **Date/ Duration:-** 11/03/2022
5. **Aims and Objectives:-** 1. To make awareness among the students about different job opportunities in Industries, sections such as Quality control, Quality Assurance, Production etc. 2. To guide the students regarding different Skills required securing jobs in Pharmaceutical Industries.
6. **No. of beneficiaries:-** More than 180
7. **Expenditure & funding agency:-** Rs.12,000 Sponsored by Shivaji University, Kolhapur.
8. **Brief description:-** Resource Person-1:- Mr.Sachin Kumbhoje, CEO& Director Opex Accelerator pvt ltd...Resource Person 2:- Mrs.Prajakta Deshpande Quality Assurance Manager ,S.G.Phytopharma pvt ltd, Gokul Shirgaon MIDC ,Kolhapur. Both the resource persons guided the students about different skills required and how to face interview in pharmaceutical industries , what type of trainings additional qualifications required such as SOPs- Standard Operating Procedures, Best lab Practices etc.
9. **Outcomes:-** The workshop is beneficial to students of both undergraduate as well as Post graduate w.r.to. Biotechnology, Microbiology, Food technology, Industrial, Analytical Chemistry.



“Education for Knowledge, Science, and Culture”

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur
(Autonomous)**



20	One day workshop on importance and opportunities in Biochemical science	Chemistry	17/03/2022
-----------	--	------------------	-------------------

INDEX

Sr. No.	Content	Page No.
1.	Sanction letter	75
2.	Notices	76-77
3.	Workshop report	78-79
4.	Workshop Brochure	80
5.	Programme Schedule	81
6.	Invitation letter/Thanks letter	82-85
7.	Registration	86-90
8.	Participants letter	91-96
9.	Attendance	97-100
10.	feedback	101-103
11.	Activity Photos	104-105
12.	Certificate	106
13.	News cutting Report	107-108

SHIVAJI UNIVERSITY, KOLHAPUR
Lead College Scheme
Council of Education's

D.R.K.College of Commerce, Kolhapur

649, C. Ward, Raviwar Peth, Azad Chowk, Kolhapur Ph. No.- 0231 - 2641224

Prin. (Dr.) V. A. Patil M.Com., M.Phil., Ph.D.
Chairman, Lead College Working Committee
M.9822917350

Shri. T. L. Kamble M.A., M.L.B., M.Phil., SET
Member Secretary and Coordinator
M.8087034382

Lead College Working Committee Members

1. (Dr.) S. T. Salunkhe
Principal
Commerce Stream

2. (Dr.) V. M. Patil
Principal
Stream

3. Dr. R. K. Shanediwan
Principal
Stream

4. S. V. Bansode
Principal Director

5. S. F. Bhothikar
S. Programme Officer

6. Azad Naikwadi
Forming Artist

7. Amol Korgaonkar
Businessman

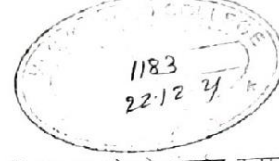
8. Student Council Secretary

Ref: D.R.K.C.C.K./Lead Conf 01/2021-22 Date: 21-12-2021

प्रति,

मा. प्राचार्य,

**Vivekanand College,
Kolhapur.**



विषय :- शिवाजी विद्यापीठ अग्रणी महाविद्यालय योजने अंतर्गत क्लस्टर टी.
आर. के. कॉलेज ऑफ कॉमर्सद्वारे कार्यशाळांना मंजूरीबाबत.

महोदय,

वरील विषयास अनुसरून आपणास कळविणेत येते कि, आपण अग्रणी
महाविद्यालय योजनेअंतर्गत एक दिवसीय कार्यशाळेसाठी पाठविलेल्या
प्रस्तावांपैकी खालील विषयांच्या कार्यशाळांना मंजूरी देण्यात येत आहे.

अ.नं.	मंजूर कार्यशाळा विषय
01	Blended learning with LMS MOODLE.
02	Importance and opportunities in bio chemical science.
03	Pearl Farming.
04	Job opportunities in Pharmaceutical Industries.

सोबत जोडलेल्या सूचनांच्या आधीन राहून कार्यशाळा पूर्ण कराव्यात.

समन्वयक

अग्रणी महाविद्यालय योजना
COORDINATOR
LEAD COLLEGE SCHEME

अध्यक्ष प्राचार्य

अग्रणी महाविद्यालय योजना
PRINCIPAL/CHAIRMAN
LEAD COLLEGE SCHEME

Dr. Shinkhe
योग्य ठे नियोजन करावे.

24/12/21



"Education for Knowledge, Science and Culture."
Shikshanmaharshi Dr. Bapuji Salunkhe
Shri. Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

2130 E, Tarabai Park, Tal. Karveer, Dist. Kolhapur 416 003
UGC Recognition Under 2 F & 12(B) UGC Act 1956
Affiliated to Shivaji University, Kolhapur (M.S.)
Ph.: 0231-2658612, 2658840, Resi.: 0231-2653962 Fax: 0231-2658840
Website : www.vivekanandcollege.org E mail : info@vivekanandcollege.org




Date: 11th Mar. 2022

Department of Chemistry

Notice

All student^s of B.Sc. III, M.Sc. I & II (Chemistry) are hereby informed that, the Department of Chemistry is organizing one day workshop on 'Importance and Opportunities in Biochemical Sciences' under Lead College Scheme on **Thursday, 17th March 2022 at 10:30 am.** Kindly register and be remained present for the above said programme on time.

Venue: Library Hall


Dr. Mrs. S. D. Shirke
Head
Dept. of Chemistry
Vivekanand College, Kolhapur

4

सूचना

- ०१) अग्रणी महाविद्यालय योजनेअंतर्गत मंजूर झालेल्या वार्षिक कार्यशाळेस स. १२०००१. (बारा हजार फक्त) इतका खर्च मंजूर होणार आहे. त्यापेक्षा अधिक खर्च मंजूर होणार नाही याची कृपया नोंद असावी. कार्यशाळेचा खर्च पुढील तपशीलात घडायला लागला.

अ.नं.	विवरण	एककम रुपये
०१	निमंत्रण पत्रिका प्रमाणपत्रे, स्टेशनरी प्रिंटिंग, पोस्टेज इ.	१०००
०२	साधन द्यावली मानधन (३ वक्रे)	१०००
०३	फोटो व अन्य	५००
०४	अल्पोपहार, दुपारचे जेवण	८०००
०५	आकर्षित खर्च	५००

- ०२) कार्यशाळेकरिता क्लस्टर अंतर्गत येणा-या प्रत्येक महाविद्यालयातील किमान पाच विद्यार्थी व एक प्राध्यापक यांना रीतसर पत्र पाठवून निमंत्रित करावे. ✓
- ०३) सहभागी विद्यार्थी, प्राध्यापक व समन्वयक यांना टी.ए./डी.ए. देय नाही.
- ०४) महाविद्यालयातील उपलब्ध पायाभूत भौतिक सुविधांचा विनामूल्य वापर करावा.
- ०५) सर्व कार्यशाळा ०५ मार्च २०२२ पर्यंत घ्यावयाच्या आहेत. कार्यशाळेची बिले दि. १० मार्च २०२२ पर्यंत क्लस्टर महाविद्यालयाकडे पाठवावेत.
- ०६) कार्यशाळेच्या तारखा उलट टपाली क्लस्टर महाविद्यालयास कळवाव्यात.
- ०७) कार्यशाळेच्या प्रमाणपत्रांमध्ये डी. आर. के. कॉलेज ऑफ कॉमर्स, कोल्हापूर. क्लस्टरचा उल्लेख असणे आवश्यक आहे.
- ०८) सदर कार्यशाळेच्या उद्-घाटनास अगर समारोपास वर्किंग समितीमधील कोणत्याही एका सदस्यास निमंत्रित करणे बंधनकारक आहे.
- ०९) विद्यापीठाने दिलेल्या आदेशानुसार सदर कार्यशाळांच्या पाहणीची जबाबदारी अग्रणी महाविद्यालय वर्किंग समिती केंव्हाही करू शकेल. (अग्रणी महाविद्यालय वर्किंग समिती सदस्यांची नावे व फोन नं. यादी जोडली आहे.)
- ★ १०) कार्यशाळेचा अहवाल खालील बाबींच्या आधीन राहून करणे अपेक्षित आहे. ✓
- कार्यशाळा मंजुरीचे पत्र.
 - कार्यक्रम पत्रिका व निमंत्रण पत्रिका.
 - कार्यशाळेत सहभागी होण्यासाठी क्लस्टर अंतर्गत येणा-या महाविद्यालयांना पाठविलेली पत्रे.
 - कार्यशाळेबाबत वर्तमानपत्रांमध्ये आलेल्या बातम्यांची कावणे.
 - कार्यशाळेचा घोषवारा म्हणजे उद्-घाटनास समारंभ, तीन वक्ते व त्यांच्या विषयाच्या सादरीकरणाबाबतचा अहवाल, विद्यार्थी मनोगत, समारोप समारंभ यांचा अहवाल मराठी अथवा इंग्रजीमध्ये.

⑦

Vivekanand College, Kolhapur (Autonomous)
Department of Chemistry
Activity Report
Lead College Scheme- One Day Workshop on
Importance and Opportunities in Biochemical
Sciences

Department of chemistry organized one Day workshop under lead college scheme (D. R. K. College cluster, Shivaji University, Kolhapur) on 17th March 2022 on 'Importance and Opportunities in Biochemical Sciences'.

In workshop three sessions were arranged with two resource persons, Dr. Mrs. J. P. Jadhav (Head, Department of Biochemistry and Biotechnology, Shivaji University, Kolhapur) and Dr. K. D. Sonavane (Department of Biochemistry, Shivaji University, Kolhapur).

The workshop was inaugurated by the chief guest Dr. Mrs. J. P. Jadhav in presence of chairperson Shri C. J. Kamble (Coordinator, Lead College Scheme, VCK), Dr. Mrs. S. D. Shirke (Head, Dept. of chemistry), all the faculty members and college students.

In first session Dr. Mrs. S. D. Shirke explained the objectives and working system of Lead College scheme of Shivaji University, Kolhapur, also introduced the speaker Dr. Mrs. J. P. Jadhav. The Chief guest was felicitated by Shri C. J. Kamble with a book and flower.

In the first session Dr. Jadhav madam introduced about Biochemistry, its importance, a unique combination of biology and chemistry which makes a human body i. e. human life. She delivered number of applications and uses of biochemistry in day to day life of human being. She spoke about the current research going on in biochemistry, life sciences and the information about different fellowships, funds being allotted by the various funding agencies, like UGC, DST and many others for higher education, doctoral and post-doctoral degrees in India as well as in abroad.

A chairperson Shri C. J. Kamble in his presidential talk gave the idea about lead college scheme to the students with the objectives of this concept proposed by Shivaji University, how it is beneficial to the colleges rather to the students.

2

In this session our ex-student Miss. Aishwarya Akaram More (M. Sc.-II, SUK) was felicitated by the chief guest as she grabbed the President Gold Medal (2021-22) of Shivaji University which was awarded by the governor of Maharashtra Shri. Bhagatsing Koshiyari in Convocation ceremony of Shivaji University, Kolhapur.

The students of B. Sc. III and M. Sc. II, who won the prizes in Poster presentation Competition held in our department, were also felicitated by the guest.

In second session Dr. S. S. Ankushrao introduced the resource person Dr. K. D. Sonavane who delivered a lecture on drug designing and Recent Trends in biochemical science. He explained in detail a complete phenomenon of designing of a drug, how it works in human body, its action on enzymes i.e. protein molecules. This was the beneficial talk especially for M. Sc. students. Also he spoke about various opportunities in drug Industries, pharmaceutical companies and research institutes in India and abroad.

Dr. K. A. Undale, Dr. D. S. Gaikwad and Shri. S. S. Kadam expressed the votes of thanks throughout the sessions. The students and teachers from other colleges in lead college cluster as well as our B. Sc. and M. Sc. students, faculty members participated in this workshop.

The other teachers in our department Dr. Mrs. S. D. Shinde, Dr. Mrs. A. S. Tapase, Dr. A. A. Patravale, Dr. S. S. Bandgar, Shri. S. C. Kumbhar, Shri. A. T. Mane, Miss. P. A. Gholap, Miss. P. M. Ruikar, Miss. N. P. Patil and Miss. M. M. Patil actively participated in the organization of this workshop. The role of anchors is well played by Dr. A. S. Tapase and Miss. P. A. Gholap.

In Valedictory session the workshop certificates were distributed to other college students. The total 116 students participated and benefited this workshop. Dr. Zaware from Gokhale College expressed his beautiful thoughts about workshop; also the students expressed their opinions enthusiastically.



Dr. Mrs. S. D. Shirke

Head, Dept. of Chemistry

15



“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षणप्रसार”
- शिक्षणमहर्षी प. पू. डॉ. बापुजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)

One Day Workshop Under Lead College Scheme, Shivaji University Kolhapur
“Importance and Opportunities in Biochemical Sciences”

Organized by
Department of Chemistry



President:
Dr. R. R. Kumbhar
Principal,
Vivekanand College,
Kolhapur (Autonomous).



Resource Person:
Prof. Dr. J. P. Jadhav
Department of Biochemistry
Shivaji University, Kolhapur.



Resource Person:
Prof. Dr. K. D. Sonavane
Department of Biochemistry
Shivaji University, Kolhapur.

Organizing Secretary: Dr. Mrs. S. D. Shirke (Head, Department of Chemistry)

Organizing Committee

Dr. K. A. Undale	Dr. A. A. Patravale
Mr. S. S. Kadam	Mr. A. T. Mane
Dr. S. S. Ankushrao	Miss. P. A. Gholap
Dr. Mrs. S. D. Shinde	Miss. P. M. Ruikar
Dr. A. S. Tapase	Miss. N. P. Patil
Dr. D. S. Gaikwad	Miss. M. M. Patil



Day & Date: Thursday, 17th March 2022

Time: 10:30 am to 5:00 pm

Venue: Library Hall

Registration Link: <https://forms.gle/93ymqUCVyQJpMzMk7>



“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”

— शिक्षणमहर्षी प. पू. डॉ. बापुजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

“One Day Workshop on Importance & Opportunities in Biochemical Sciences” under lead College Scheme.

Organized by

Department of Chemistry

Date: 17th Mar 2022, Time: 10:30 am to 4:30 pm

Venue: Library Hall



Table Programme

Inaugural Function (10:30 am to 11:30 am)

- | | |
|---|---|
| ✦ Introduction and Welcome of Guest | Dr. Mrs. S. D. Shirke
(Head, Department of Chemistry) |
| ✦ Key Note Address | Shri. C. J. Kamble, Department of Physics. |
| ✦ Prize Distribution of Poster Presentation Competition | B.Sc.: First, Second, Third
M.Sc.: First, Second
Miss. Aishwarya More
(President Gold Medal) |
| ✦ Felicitation | Dr. Mrs. J. P. Jadhav
Head, Department of Biochemistry,
Shivaji University, Kolhapur. |
| ✦ Chief Guest | Dr. R. R. Kumbhar,
Principal, Vivekanand College, Kolhapur
(Autonomous) |
| ✦ Presidential Address | Dr. K. A. Undale |
| ✦ Vote of Thanks | |

First Session: 11:30 am to 1:00 pm

- | | |
|-------------------|------------------|
| ✦ Resource Person | Dr. J. P. Jadhav |
| ✦ Vote of thanks | Mr. S. S. Kadam |

Lunch break 1:00 to 2:00 pm

Second Session : 2:00 pm to 3:30 pm

- | | |
|-----------------------------------|--|
| ✦ Introduction to Resource Person | Dr. S. S. Ankushrao |
| ✦ Resource Person | Dr. K. D. Sonavane,
Department of Biochemistry, Shivaji
University, Kolhapur |

Valedictory Function (3:30 pm to 4:30 pm)

- | | |
|---------------------|--|
| ✦ Participants talk | 1.
2.
3 |
| ✦ Vote of Thanks | Dr. A. S. Tapase |
| ✦ Anchoring | Dr. A. S. Tapase
Miss. P. A. Gholap |

College Record No. H.S.C./1074R-1/DT 8-8-1976
College Code No. 23-09-002
College Licence No. 27341301006



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabhai Park, Kolhapur, Tal. Kolhapur, Dist. Kolhapur-415004
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAE Reaccredited 'A' (CGPA 2.24)
College with Potential for Excellence by U.G.C. New Delhi
Star College by D.R.T. Govt. of India
ISO 9001:2015

Estd. June 1984



Phone : 0231-2658612, 2658640 Fax : 0231-2658640 Resi. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

President Hon. Chandrakant Dada Patil MLA	Chairman Prin. Abhaykumar Salunkhe MA	Secretary Prin. Mrs. Shushangi Garvade M.Sc., B.Ed.	Principal Dr. R. R. Kumbhar M.Sc., M.Phil., Ph.D.
---	---	---	---

VCR To, 11/03/2022

Date 15/3/2022

Prof. Dr. K. D. Sonavane
Department of Biochemistry
Shivaji University, Kolhapur.

Subject: Invitation as a resource person for the One day workshop on 'Importance and Opportunities in Biochemical Sciences' under lead College Scheme.

Respected Madam, Sir

Department of Chemistry has organized One day workshop on 'Importance and Opportunities in Biochemical Sciences' under lead College Scheme, Shivaji University Kolhapur.

So, we are pleased to have the honour of inviting you in the workshop to deliver your thoughts on topic "Recent Trends in Biochemical Sciences" on **Thursday, 17th March 2022 at 02:30 pm**. Kindly accept our invitation and oblige.

A line of confirmation is highly appreciated.

Best Wishes,

Yours Sincerely,

Shirke

Dr. Mrs. S. D. Shirke

Head
Dept. of Chemistry
Vivekanand College Kolhapur

Peel

Dr. R. R. Kumbhar
PRINCIPAL
Vivekanand College
Kolhapur

o/c Received
17/03/2022

Ir. College Recog. No. H.S.C/1074/R-1/DT: 8-8-1976
Ir. College Code No. 23-09-002
Ir. College U. Disc. No. 27341301006



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur 416001
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited 'A' (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.H.T. Govt. of India
ISO 9001:2015

Estd. June 1964



Ph.: 0231-2658612, 2658840 Fax: 0231-2658840 Resl.: 0231-2653962 Website: www.vivekanandcollege.org E-mail: info@vivekanandcollege.org

President: Hon. Chandrakant Dada Patil (MLA)
Chairman: Prin. Abhaykumar Salunkhe (M.A.)
Secretary: Prin. Mrs. Shubhangi Gavade (M.Sc., B.Ed.)
Principal: Dr. R. R. Kumbhar (M.Sc., M.Phil., Ph.D.)

Ref. No. VCK/2136/2021-22

Letter of Appreciation

Date: 17.3.2022

To,

Prof. Dr. J. P. Jadhav
Department of Biochemistry
Shivaji University, Kolhapur.

Respected Sir,

On behalf of Department of Chemistry, Vivekanand College, Kolhapur (Autonomous), we are very much thankful to you for accepting our invitation and delivering a valuable thoughts on topic "Importance and Opportunities in Biochemical Sciences" on Thursday, 17th March 2022 at 11:00 am on the occasion of One day workshop on 'Importance and Opportunities in Biochemical Sciences' under lead College Scheme, Shivaji University Kolhapur.

Thank you for giving valuable contribution to our participants and hence to the society. Your speech has encouraged keeping sound and enthusiastic mind to make bright future.

Thanking you,

Yours Sincerely,

Dr. Mrs. S. D. Shirke

Head

Dept. of Chemistry
Vivekanand College Kolhapur

Dr. R. R. Kumbhar

PRINCIPAL
Vivekanand College
Kolhapur

Regd. No. H.S.C./1074/R.1/D1 6-6-1976
 Code No. 23-09-002
 Date No. 27341301008

श्री स्वामी विवेकानंद शिवाजी समिती
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
 21/20, 1, Tarapur, P. O. Kolhapur, Dist. Kolhapur, Maharashtra 415004
 A College with Postgraduate & Research Facilities
 N.A.A.C. Approved (Grade A) (17/06/2015)
 College with Postgraduate & Research Facilities
 Regd. Office: P. O. Tarapur, Dist. Kolhapur, Maharashtra 415004

Call: 0231-2660012, 2660040 Fax: 0231-2660040 Res: 0231-2660062 Website: www.vivekanandcollege.org E-mail: info@vivekanandcollege.org

President: Hon. Chandrakant Dada Patil M.A.
 Vice President: Prof. Dr. J. P. Jadhav
 Secretary: Prof. Mrs. Shubhangi Gokale M.Sc. B.Ed.
 Treasurer: Dr. R. R. Kumbhar M.Sc. B.Ed.

Date: 15/3/2022

To,

Prof. Dr. J. P. Jadhav
 Department of Biochemistry
 Shivaji University, Kolhapur.

Subject: Invitation as a resource person for the One day workshop on 'Importance and Opportunities in Biochemical Sciences' under lead College Scheme.

Respected Madam,

Department of Chemistry has organized One day workshop on 'Importance and Opportunities in Biochemical Sciences' under lead College Scheme, Shivaji University Kolhapur.

So, we are pleased to have the honour of inviting you in the workshop to deliver your thoughts on topic "Importance and Opportunities in Biochemical Sciences" on **Thursday, 17th March 2022 at 11:00 am**. Kindly accept our invitation and oblige.

A line of confirmation is highly appreciated.

Best Wishes,

Yours Sincerely,

Dr. Mrs. S. D. Shirke
Dr. Mrs. S. D. Shirke
Head
Dept. of Chemistry
Vivekanand College, Kolhapur

Dr. R. R. Kumbhar
Dr. R. R. Kumbhar
Principal
Vivekanand College
Kolhapur

College Regd. No. H.S.C/1074/R-1/DT: 8-8-1976
 College Code No. 25-09-002
 College U. Code No. 27341301006

“ज्ञान, विज्ञान आणि सुसंस्कार वांछनी शिक्षण प्रसार”
 शिक्षणपद्धती ही वास्तविकी बनवते

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
 2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
 Affiliated to Shivaji University, Kolhapur (M.S.)
 NAAC Reaccredited: 'A' (CGPA 3.24)
 College with Potential for Excellence by U.G.C., New Delhi
 "Star College" by D.B.T. Govt. of India
 ISO 9001: 2015

Estd. June 1964

0211-2658812, 2658840 Fax: 0231-2658840 Resl.: 0231-2653962 Website: www.vivekanandcollege.org E-mail: info@vivekanandcollege.org

President: Hon. Chandrakant Dada Patil MLA
 Chairman: Prin. Abhaykumar Salunkhe MA
 Secretary: Prin. Mrs. Shubhangi Gavade M.Sc., B.Ed.
 Principal: Dr. R. R. Kumbhar M.Sc., M.Phil., Ph.D.

Date: 17.3.2022

Letter of Appreciation

To,
 Prof. Dr. K. D. Sonavane
 Department of Biochemistry
 Shivaji University, Kolhapur.


Respected Sir,

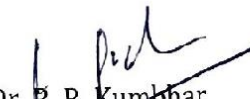
On behalf of Department of Chemistry, Vivekanand College, Kolhapur (Autonomous), we are very much thankful to you for accepting our invitation and delivering a valuable thoughts on topic "Recent Trends in Biochemical Sciences" on Thursday, 17th March 2022 at 11:00 am on the occasion of One day workshop on 'Importance and Opportunities in Biochemical Sciences' under lead College Scheme, Shivaji University Kolhapur.

Thank you for giving valuable contribution to our participants and hence to the society. Your speech has encouraged keeping sound and enthusiastic mind to make bright future.

Thanking you,

Yours Sincerely,


 Dr. Mrs. S. D. Shirke
 Head
 Dept. of Chemistry
 Vivekanand College, Kolhapur


 Dr. R. R. Kumbhar
 PRINCIPAL
 Vivekanand College
 Kolhapur

Recd.
 17/03/2022



"Education for Knowledge, Science and Culture."
 - Shikshanamaharshi Dr. Bapuji Salunkhe
Shri. Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

2130 E, Tarabai Park, Tal. Karveer, Dist. Kolhapur 416 003
 UGC Recognition Under 2 F & 12(B) UGC Act 1956
 Affiliated to Shivaji University, Kolhapur (M.S.)
 Ph.: 0231-2658612, 2658840, Res.: 0231-2653962 Fax 0231-2658840
 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org



One Day Workshop on
"Importance and Opportunities in Biochemical Sciences"

Organized by
Department of Chemistry
(Under Lead College Scheme, Shivaji University, Kolhapur)
Date: 17th March 2022

Registration

Sr. No.	Name of the Participant	Name of College	Designation	Sign
1	Nilam Anil Gujar	NCK ✓	student	
2	Aishwarya R. Shivashar -an	— u —	— u —	
3	Divya Dilip Varute	NCK ✓	Student	
4	Asawari Sanjay Maskar	NCK ✓	student	
5	Nisha Shamrao Tadavab KCE	NCK ✓	student	
6	Dr. V. D. Tadhar	NCK ✓	faculty	
7	P. B. Zaware	GKG ✓	faculty	
8	Vaishnavi Ravikant Upadhye	CNCVCW ✓	student	
9	Sanjana Sanjay Khode	CNCVCW ✓	student	
10	Anagha Hrud Pore	CNCVCW ✓	student	
11	Sakshi M. Desai	CNCVCW ✓	faculty	
12	Manasi M. Lohar	GKG ✓	student	
13	Namrata V. Chougale	GKG ✓	student	
14	Sneha A. Chougale	GKG ✓	student	

23

Sr. No.	Name of the Participant	Name of College	Designation	Sign
15.	Dipali S. Chougale	Shri /	Student	Dipali
16.	Pooja G. Shinde	G.K.G.	Student	Pooja
17.	Shruti R. Tarkar	CNEVW	Student	Shruti
18.	Siddharth S. Chavan	Kamala college	Teacher	Siddharth
19.	Bote P. P.	Shahu College	Teacher	Bote
20.	Nayabadi A. S.	Shahu College	Student	Nayabadi
21.	Kumbhar M. H.	Shahu college	Student	Kumbhar
22.	Chavan A. N.	Shahu college	Student	Chavan
23.	Shakti K. M.	Shahu college	Student	Shakti
24.	Shinde A. A.	Shahu college	Student	Shinde
25.	Sayali Nandev Maw	Shivaji university	Student	Sayali
26.	Utkatsha Prakash Lamba	Shivaji university	Student	Utkatsha
27.	Trupti Suhag Thorat	Shivaji University	Student	Trupti
28.	Mrs. Sameena Sarnad	Shahaji college	Teacher	S.A. Sarnad
29.	Priyanka A. Ekshinge	Shahaji college	Student	Priyanka
30.	Devyani. C. Dabhade	Shahaji college	Student	D.C. Dabhade
31.	Mandira P. Gandute	Shahaji college	Student	Mandira
32.	Vaishnavi H. Chekar	Shahaji college	Student	Vaishnavi
33.	Rutuja S. Shinde	Kamala college	Student	Rutuja
34.	Sakshi S. Desai	Kamala college	Student	S.S. Desai
35.	Aarohi L. Moghe	Kamala college	Student	Aarohi
36.	Mayuri V. Kumbhar	Kamala college	Student	Mayuri
37.	Amkita A. Korsekar	Kamala college	Student	A.A. Korsekar


(24)


Sr. No.	Name of the Participant	Name of College	Designation	Sign
38	Vijay S. Kodam	VCK (B.Sc.III)	student	<i>Vijay</i>
39	Shubham A. Shivatankar	VCK (B.Sc.III)	Student	<i>Shubham</i>
40	Aaliya A. Mujawar	VCK (B.Sc.III)	student	<i>Aaliya</i>
41	Ichhwan S. Mahadik	VCK (B.Sc.III)	student	<i>Ichhwan</i>
42	Abhijeet K. Lad	VCK (B.Sc.III)	student	<i>Abhijeet</i>
43	Abhijit H. Patil	VCK B.Sc.III	student	<i>Abhijit</i>
44	Swagat D. Sutar	VCK B.Sc.III	Student	<i>Swagat</i>
45	Raj R. Tahasildar	VCK B.Sc.III	student	<i>Raj</i>
46	Bhushan S.D.	VCK B.Sc.III	Student	<i>Bhushan</i>
47	Shrutika V. K.	VCK M.Sc.II	Student	<i>Shrutika</i>
48	Rutuja S. Karade	VCK M.Sc.II	Student	<i>Rutuja</i>
49	Lalitesh S. Pandey	Shahu college	student	<i>Lalitesh</i>
50	Pronav M. Ghatage	VCK M.Sc.II	student	<i>Pronav</i>
51	Nilesh Anil Patil	VCK M.Sc.II	Student	<i>Nilesh</i>
52	Surya Sheth	VCK M.Sc.II	student	<i>Surya</i>
53	Sourabh Fadase	VCK B.Sc.III	student	<i>Sourabh</i>
54	Mang S. Kamble	VCK B.Sc.III	student	<i>Mang</i>
55	Zwanend B. Power	VCK B.Sc.IV	Student	<i>Zwanend</i>
56	Begade Aditya	VCK B.Sc.III	student	<i>Begade</i>
57	Saad Fakir	Shaji college	Student	<i>Saad</i>
58	Aishwarya Patil	VCK (M.Sc.II)	student	<i>Aishwarya</i>
59	Aishwarya Rangnekar	VCK (M.Sc.II)	student	<i>Aishwarya</i>
60	Patil Namrata Yashwant	VCK (M.Sc.II)	Student	<i>Patil</i>

25

Sr. No.	Name of the Participant	Name of College	Designation	Sign
61	Kirti V. Patil	VCK B.Sc III	Student	
62	Tabewlla A. Mulla	VCK M.Sc I	student	
63	Harshwardhan A. Ghopade	VCK M.Sc I	Student	
64	rutuja Ashok Patil	VCK M.Sc II	student	
65	Manisha Suryakant Poldar	VCK M.Sc II	student	
66	Pratiksha Molhami Adhke	VCK M.Sc II	student	
67	Prachi R. Kadam	VCK B.Sc III	Student	
68	Pratiksha P. Salavi	VCK B.Sc III	Student	
69	Swapnagandha D. Kamble	VCK B.Sc III	Student	
70	Ashwarya R. Kshirsagar	VCK M.Sc I	—	
71	Pratiksha U. Kurne	—	—	
72	Yogiraj S. Shevale	VCK B.Sc III	Student	
73	Harshwardhan D. Deshmukh	VCK B.Sc III	student	
74	Shreenal J. Patil	VCK B.Sc III	Student	
75	Rasika Kamble	VCK B.Sc III	Student	
76	Umrajya Bagwan	VCK I I	"	
77	Nadlat S. H.	VCK	S. Lectures Faculty Biotechnology	
78	Riteshkumar R. Nashke	VCK	student	
79	Korankumar A. Shinde	VCK	student	
80	Sarika S. Patil	VCK	student	
81	Bhakti P. Pasare	VCK	student	
82	Manish R. Sawant	VCK	student	
83	Sahil B. Shinde	VCK	Student.	

Sr. No.	Name of the Participant	Name of College	Designation	Sign
84	Yogini Ganpat Chougale	V.C.K. Msc-II	Student	Phyle
85	Goyatri V. Kamatkar	V.C.K. Msc-II	student	Phule
86	Aishwarya R. Kadam	V.C.K. Msc-II	student	Phule
87	Amkar. P. Patil	V.C.K. Bsc-III	student	Phule
88	Prithi V. Sarvagade	V.C.K. Bsc-III	student	Phule
89	Rutuja V. Magadum	V.C.K. Bsc-III	student	Phule
90	Pravin R. Sutar	V.C.K. Bsc-III	student	Phule
91	Sakshi S. Nisamale	V.C.K. Bsc-III	student	Phule
92	Akanksha V. Talkar	V.C.K. Bsc-III	Student	Phule
93	Pratiksha V. Talkar	V.C.K. Bsc-III	student	Phule
94	Pradnya Sunil Avadhut	V.C.K. Bsc-III	student	Phule
95	Alcharya Akasham Rane	S.O.K. M.Sc-II	student	Phule
96	Abhijit V. More	V.C.K. Msc-II	Student	Phule
97	Sunil A. More	V.C.K. Msc-II	student	Phule
98	Sandesh R. More	V.C.K. Msc-II	student	Phule
99	Prasann S. Shinde	"	Student	Phule
100	Jyotirbh. A. Bhaskar	"	Student	Phule
101	Pravish P. Patil	"	"	Phule
102	Pratikesh A. Ranavane	"	student	Phule
103	Pradnya Prakash Kamble	V.C.K. Msc-II	student	Phule
104	Simron B. Sequira	"	"	Phule
105	Bhakti B. Desai	"	"	Phule
106	Tanvi K. Kadam	"	"	Phule
107	Todkar Ankita Shivaji	Msc I	student	Phule
108	Pawar Yashali Dhanaji	"	"	Phule
109	Salokhe Nikita Kishor	Ph.Sc-II	Student	Phule


कर्मला कॉलेज, कोल्हापूर
 संस्थापक : डॉ. जी. टी. कापूर
 सन १९८१


 दिनांक १७/०३/२०२२

प्रति,
 मा. प्राचार्य,
 तिवेकानंद कॉलेज
 कोल्हापूर

विषय - कार्यशाळेस विद्यार्थिनी पाठविणे बाबत
 महोदय,

आपल्या महाविद्यालयात अग्रणी महाविद्यालय योजने अंतर्गत दि. १७/०३/२०२२
 रोजी Importance and Opportunities in Biochemical Sciences विषयावर
 आयोजित कार्यशाळेस उपस्थित रहाण्यासाठी खालील प्राध्यापक व विद्यार्थिनीची नावे पाठवित आहोत.

प्राध्यापक सिद्धार्थ सूर्यकांत चव्हाण

विद्यार्थिनीचे नाव	वर्ग	रोल नंबर
१. कु. <u>आरीषी जीर्षी</u>	<u>IIIrd Year</u>	_____
२. कु. <u>अंकिता कर्वेकर</u>	<u>IIIrd Year</u>	_____
३. कु. <u>मयुरी कुमारे</u>	<u>IIIrd Year</u>	_____
४. कु. <u>तपुजा शिंदे</u>	<u>IIIrd Year</u>	_____
५. कु. <u>सावित्री देसाई</u>	<u>IIIrd Year</u>	_____
६. कु. _____	_____	_____
७. कु. _____	_____	_____

Recd.
 १७/०३/२०२२. कळावे.

आपला विश्वासू
 प्राचार्य,
 तिवेकानंद कॉलेज



Shri Shahaji Chhatrapati Shikshan Sanstha's
SHRI SHAHAJI CHHATRAPATI MAHAVIDYALAYA
2968, 'C' Dasara Chowk, Kolhapur-416 002.



31

Reaccredited by NAAC with Grade 'B' (CGPA-2.61)

Website: www.shahajicollege.ac.in

Prin. Dr. R. K. Shanediwan - M.A. B.Ed. Ph.D NET (Marathi) B.J.

Ref.No. SSCM/F. / 6 / 2020-21

Affiliated to: Shivaji University, Kolhapur-416 004, Maharashtra

E-mail: shahaji@shahajicollege.ac.in / shahaji_college_300@yahoo.com

Phone: (02) (0231) 2442204 (02) 9900995454

Date: 06 MAR 2022

To
The Principal,
Vivekanand College,
Kolhapur.

**Subject: Deputation of Students & faculty to participate in one day workshop under
Lead college Cluster.**

Ref: Letter no. 2088/2021/22 dated on 12/03/2022

Respected Sir,

With reference to your letter, our college will participate this workshop entitled on
"Importance and Opportunities in Biochemical Sciences" which is going to held on 17th
March 2022 with five students and one faculty member.

A list of student along-with faculty teacher is enclosed with this as under:

Sr. No.	Name of Participant	B.Sc. Stream
1	Miss. Sameena Anis Sayyad	Assistant Teacher, Dept. of Chemistry
2	Miss. Devyani Chandrakant Dabhade	B.Sc. III
3	Miss. Priyanka Abhijit Ekshinge	B.Sc. III
4	Miss. Mandira Dhanaji Gandure	B.Sc. III
5	Miss. Vaishnavi Hindurao Chechar	B.Sc. III
6	Mr. Saad Rafik Fakir	B.Sc. III

I request you give them participation in this workshop.

Thanking you,

Yours Faithfully,

Dr. R.K. Shanediwan



**Principal,
Shri Shahaji Chhatrapati
Mahavidyalaya, Kolhapur**

"Education through self-help is our motto" Karmaveer

RAJARSHI CHHATRAPATI SHAHU
COLLEGE KOLHAPUR

Kadamwadi Road, Kolhapur - 416 003, Maharashtra
NAAC Reaccredited 'A' (with CGP 3.07)
Phone No. 0231-2654658
E-mail: kshahucol@gmail.com Website: www.rss.ac.in

Principal
Prof. R. S. Dubal
M.Sc. M.Phil. Ph.D.

Ref. No. R.C.S. 111
Date: 16/03/22

To
The Principal,
Vivekanand College, Kolhapur (Autonomous)
Kolhapur-416 003, MS, India

Subject: Regarding participation of our college in your lead college workshop

Reference: V.C.K/3032/2021-22 dated 5th March, 2022

Sir,

With reference to the above cited subject, we are pleased to inform you that our college planned to participate your lead college workshop entitled "Importance and opportunities in Biochemical Science" will be conduct on 17th March, 2022 at 11.00 AM to 5.00 PM. Hence, as per your letter the bellow faculty and students from our college will participate the said workshop.

Sr. No.	Name of Participant	Designation
1.	Miss. Prachi Pramod Bote	Asst. Professor of Chemistry
2.	Miss. Amruta Nivrutti Chavan	B.Sc.III(Student)
3.	Miss. Manshri Hindurao Kmbale	B.Sc III (Student)
4.	Miss. Kasifa Majid Shaikh	B.Sc III (Student)
5.	Mr. Aftab Samir Nayakwadi	B.Sc III (Student)
6.	Mr. Lalitesh Suryanarayan Pandey	B.Sc.III (Student)

Kindly do the needful and oblige.

Thanking you with best regards



[Signature]
I/C PRINCIPAL
R.C. SHAHU COLLEGE
KOLHAPUR



Shikshan Prasarak Mandal's
GOPAL KRISHNA GOKHALE COLLEGE,
KOLHAPUR.

'B' Ward, Subhash Road, Kolhapur Pin: 416 012, P. Box No.-3

Phone No. (0231) 2642540 / 2642340

NAAC Accredited "B" (C.G.P.A. 2.85) 2nd Cycle

E-Mail: gkgcollege1950@gmail.com

U-DISE 27341304307

Web Site: www.gkgcollege.com

Vice-Principal - Shri S. H. Pisal,
M. Sc., B. Ed.

I/C Prin. Dr. P. K. Patil
M. A., M. Phil., Ph.D.

Ref No. GKG/ 136/2021-2022

Date - 17/03/2022

To,
The Principal,
Vivekanand College,
Kolhapur

Sub:- Lead College Workshop Participation...

Ref:- Your College letter no. VCK/2088/2021-22 dated 12-03-2022


Sir,
With reference to above mention subject, 01 faculty & 05 Students B. Sc- III Chemistry are going to participate for the lead college workshop organized by Department of Chemistry. On Importance and Opportunities in Bio-chemical Sciences on Thursday 17/03/2022 under D. R. K. College cluster.

Please register them and oblige.

Sr. no.	Name of participant	Class
01	Shri Zavare Pramod Bhalchandra	Faculty
02	Ku. Chougule Dipali Suresh	B.Sc-III
03	Ku. Chougule Namrata Vijay	B.Sc-III
04	Ku. Chougale Sneha Avinash	B.Sc-III
05	Ku. Kadam Pranali Ramesh	B.Sc-III
06	Ku. Shinde Rutuja Gorakhnath	B.Sc-III

Thanking You,

Yours faithfully,


Head,
Dept. Of Chemistry,
Gopal Krishna Gokhale College,
Kolhapur.




I/C Principal,
Gopal Krishna Gokhale College,
Kolhapur.

28

Date - 16/01/2022

To,
Principal,
Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College,
Kolhapur (Autonomous)

Subject:- About workshop under lead college scheme.

Respected Sir,

As per your invitation for one day workshop under lead college scheme on 17th March 2022, Shri Prince Shivaji Maratha Boarding House's The New College, Kolhapur sending following five students and one faculty member, from Department of Chemistry.

Sr No.	Name	Class
1	Miss. Gurav Nilam Anil	B. Sc.III
2	Miss. Maskar Asawari Sanjay	B. Sc.III
3	Miss. Shivasharan Aishwarya Ramesh	B. Sc.III
4	Miss. Tadavalekar Nisha Shamrao	B. Sc.III
5	Miss. Varute Divya Dilip	B. Sc.III
6	Dr. V. D. Jadhav	Faculty

Thanking for this opportunity,

Yours faithfully,



Smt. J. S. Kshirsagar

HEAD

DEPARTMENT OF CHEMISTRY
THE NEW COLLEGE
KOLHAPUR



Website: www.cncvcw.com

CHH. SHAHU INSTITUTE OF BUSINESS EDUCATION & RESEARCH TRUST'S
COLLEGE OF NON-CONVENTIONAL VOCATIONAL COURSES FOR WOMEN
University Road, Kolhapur - 416 004
Reaccredited by NAAC with A Grade

Ph.No. (0231) 2535405 Fax. (0231) 2535708

33

Ref: CNCVCW/2021-22/ 2800

Dr. R. A. SHINDE
Secretary & Managing Trustee

Date - 17/03/2022

प्रति,
प्राचार्य,
विवेकानंद कॉलेज,
कोल्हापूर.

विषय : अग्रणी महाविद्यालय योजनेअंतर्गत कार्यक्रमांला उपस्थित राहणेबाबत

महोदय,

उपरोक्त विषयास अनुसरून अग्रणी महाविद्यालय योजनेअंतर्गत दि. १७/०३/२०२२ रोजी आपण आयोजित केलेल्या "Importance and Opportunities in Biochemical Sciences" या विषयावरील एक दिवसीय कार्यशाळेस आमच्या महाविद्यालयातर्फे एक प्राध्यापक व पाच विद्यार्थिनी उपस्थित राहत आहेत.

प्राध्यापक : Ms. Sakshi Desai

विद्यार्थिनी :

- 1) Ms. Anagha A Pawar
- 2) Ms. Vaishnavi R Upadhye
- 3) Ms. Shrushti R Jadhav
- 4) Ms. Sanjana S Khade

आपला विश्वासू,

डॉ ए आर कुलकर्णी

प्राचार्य

PRINCIPAL,
College of Non-Conventional
Vocational Courses For Women
Kolhapur.



"Education for Knowledge, Science and Culture."

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri. Swami Vivekanand Shikshan Sanstha's

**VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)**

2130 E, Tarabai Park, Tal. Karveer, Dist. Kolhapur 416 003

UGC Recognition Under 2 F & 12(B) UGC Act 1956

Affiliated to Shivaji University, Kolhapur (M.S.)

Ph.: 0231-2658612, 2658840, Res.: 0231-2653962 Fax: 0231-2658840

Website: www.vivekanandcollege.org E-mail: info@vivekanandcollege.org

One Day Workshop on

"Importance and Opportunities in Biochemical Sciences"

Organized by

Department of Chemistry

(Under Lead College Scheme, Shivaji University, Kolhapur)

Date: 17th March 2022

Attendance

Sr. No.	Name of the Participant	Name of College	Designation	Sign	
				Session-I	Session-II
1.	Harsha Babaso Kamble.	VCK.	BSC-III	<i>[Signature]</i>	<i>[Signature]</i>
2.	Swapnagandha D. Kamble	VCK	B.Sc-III	<i>[Signature]</i>	<i>[Signature]</i>
3.	Monasi M. Lohar	GKG	B.Sc-III	<i>[Signature]</i>	<i>[Signature]</i>
4.	Rutuja G. Shinde	G.K.G.	B.Sc. III	<i>[Signature]</i>	<i>[Signature]</i>
5.	Gneha A. Chougale.	G.K.G.	B.Sc III	<i>[Signature]</i>	<i>[Signature]</i>
6.	Namrata V. Chougale	G.K.G.	B.Sc III	<i>[Signature]</i>	<i>[Signature]</i>
7.	Dipali S. Chougale	G.K.G.	B.Sc-III	<i>[Signature]</i>	<i>[Signature]</i>
8.	Asawari S. Maskar	NCK	B.Sc III	<i>[Signature]</i>	<i>[Signature]</i>
9.	Nisha S. Todavalekar	NCK	B.Sc III	<i>[Signature]</i>	<i>[Signature]</i>
10.	Aishwarya Ramesh Shivashankar	NCK	B.Sc III	<i>[Signature]</i>	<i>[Signature]</i>
11.	Divya Dilip Varute	NCK	B.Sc. III	<i>[Signature]</i>	<i>[Signature]</i>
12.	Nilam Anil Guron	NCK	BSC III	<i>[Signature]</i>	<i>[Signature]</i>
13.	Sanjana Sanjay Khade	CNCVCW	BSC III	<i>[Signature]</i>	<i>[Signature]</i>
14.	Anagha Atul Pawar	CNCVCW	BSC III	<i>[Signature]</i>	<i>[Signature]</i>

35

Sr. No.	Name of the Participant	Name of College	Designation	Sign	
				Session-I	Session-II
15	Vaishnavi Upadhye	CNEVCW	PhD BSc III	V Upadhye	V Upadhye
16	Shruti Jadhav	— II —	BSc III	S Jadhav	S Jadhav
17	Yogini Chougule	VCK	MSc II	Y Chougule	Y Chougule
18	Trupti S. Thorat	Shivaji University	M.Sc II	T S Thorat	T S Thorat
19	Utkatsha P. Lambe	Shivaji University	M.Sc - II	U Lambe	U Lambe
20	Sayali N. More	Shivaji University	M.Sc - II	S More	S More
21	Gayatri V. Kamatkar	VCK	M.Sc II	G Kamatkar	G Kamatkar
22	Aishwarya R. Kadam	VCK	M.Sc II	A R Kadam	A R Kadam
23	Shrutika V. Kharchnale	VCK	M.Sc II	S Kharchnale	S Kharchnale
24	Rutuja S. Katade	VCK	M.Sc II	R Katade	R Katade
25	Aishwarya Rangnekar	VCK	M.Sc II	A R	A R
26	Aishwarya Patil	VCK	M.Sc II	A Patil	A Patil
27	Namrata Patil	VCK	M.Sc II	N Patil	N Patil
28	Rutuja A. Patil	VCK	M.Sc II	R Patil	R Patil
29	Pratiksha M. Adke	VCK	M.Sc II	P Adke	P Adke
30	Varsha Potdar	VCK	M.Sc II	V Potdar	V Potdar
31	Pratiksha Telsang	VCK	M.Sc II	P Telsang	P Telsang
32	Mrunali Salunkhe	VCK	M.Sc II	M Salunkhe	M Salunkhe
33	Roshani Dhare	VCK	M.Sc II	R Dhare	R Dhare
34	Sharvari Patil	VCK	M.Sc II	S Patil	S Patil
35	Sonali Babar	VCK	M.Sc II	S Babar	S Babar
36	Sayali Patil	VCK	M.Sc II	S Patil	S Patil

Sr. No.	Name of the Participant	Name of College	Designation	Sign	
				Session-I	Session-II
37.	Pratiksha R. Lambe	Vivekanand college Kolhapur	BSc. III		
38.	Bhakti B. Desai	Vivekanand College, Kolhapur	MSc II		
39.	Samran B. Seaulera	VCK	MSc II		
40.	Tanvi K. Kadam	VCK	M.Sc. II		
41.	Pradnya Kamble	VCK	MSc-II		
42.	Nikita Solokhe	VCK	M.Sc-II		
43.	Shivani Gaikwad.	VCK	M.Sc-II		
44.	Sauita Vitthanna.	VCK	M.Sc-II		
45.	Promv Ghatage.	VCK MSc II	M.Sc-II		
46.	Nilesh Patil	VCK	M.Sc-II		
47.	Faijan Pathan	VCK	BSc. III		
48.	Satyajeet Patane	VCK	---		
49.	Saad A. Jamadar	VCK	BSc III		
50.	Peasad S. Kokate	VCK	BSc III		
51.	Siddhi S. Kabir	VCK	BSc III		
52.	Prachi R. Kadam	VCK	BSc III		
53.	Mahesh P. Kumbhar	VCK	M.Sc-I		
54.	Jabulula A. Mulla	VCK	MSc I		
55.	Harshawordhan A. Ghospade	Vck	M.Sc. I		
56.	Onkar Narayan Patil.	Vck	Msc. I.		
57.	Omkar Prakash Patil	Vck	BSc-III		
58.	Lalidhesh S. Pandey	R.C.S.C.	BSc (III)		

"ज्ञान, विद्या आणि सुसंस्कार यांच्याशी शिक्षणप्रसार"

श्री. स्वामी विवेकानंदा शिक्षण संस्था, कोल्हापूर

Vivekanand College, Kolhapur (Autonomous)

"One Day Workshop on
Importance & Opportunities in Biochemical Sciences"
under lead College Scheme, Shivaji University, Kolhapur
Organized by
Department of Chemistry

Date: 17th Mar 2022, Time: 10:30 am to 4:30 pm

Venue: Library Hall

Feedback Form

Your feedback is critical for our college to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Name of Participant: Anagha Atul Pawar Class/College: CNCVCW

1. Does workshop fulfilled your expectations? ☒ Yes ☐ No
2. Whether the content was as described in publicity material? ☒ Yes ☐ No
3. Does workshop helpful to get opportunities in Biochemical Sciences? ☒ Yes ☐ No
4. Was material presented in an organized manner? ☒ Yes ☐ No
5. Was an instructor knowledgeable on the corresponding topic? ☒ Yes ☐ No
6. As per the title, was this workshop: ☐ a. Too short ☒ b. Right length ☐ c. Too long
7. In your opinion, was this workshop: ☒ a. Introductory ☐ b. Intermediate ☐ c. Advanced
8. Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Acoustics	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Hospitality	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The program overall	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. What did you most appreciate/enjoy/think was best about the workshop? Any suggestions for improvement?

It was truly an informative workshop.
Got to know more about the topic

Thank you!

Please return this form to the instructor or coordinator at the end of the workshop.

Signature of Participant: Pawar

38

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”
शिक्षणमंडळ डॉ. बापूजी साठुंबे
Shri. Swami Vivekananda Shikshan Sanstha, Kolhapur's
Vivekanand College, Kolhapur (Autonomous)
“One Day Workshop on
Importance & Opportunities in Biochemical Sciences”
under lead College Scheme, Shivaji University, Kolhapur
Organized by
Department of Chemistry

Date: 17th Mar 2022, Time: 10:30 am to 4:30 pm

Venue: Library Hall

Feedback Form

Your feedback is critical for our college to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Name of Participant: Aishwarya R. Shivashankar Class/College: New college, Kolhapur

1. Does workshop fulfilled your expectations? ☒ Yes ☐ No
2. Whether the content was as described in publicity material? ☒ Yes ☐ No
3. Does workshop helpful to get opportunities in Biochemical Sciences? ☒ Yes ☐ No
4. Was material presented in an organized manner? ☒ Yes ☐ No
5. Was an instructor knowledgeable on the corresponding topic? ☒ Yes ☐ No
6. As per the title, was this workshop: ☐ a. Too short ☒ b. Right length ☐ c. Too long
7. In your opinion, was this workshop: ☐ a. Introductory ☒ b. Intermediate ☐ c. Advanced
8. Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Acoustics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Hospitality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The program overall	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. What did you most appreciate/enjoy/think was best about the workshop? Any suggestions for improvement?

This workshop is very helpful for us. We gained bi knowledge about biochemical science & career through it. Thank you for inviting us.

Thank you!

Please return this form to the instructor or coordinator at the end of the workshop.

Signature of Participant:

“ज्ञान, विज्ञान आणि सुसंस्कार यासाठी शिक्षणप्रसार”

श्री. स्वामी विवेकानंदा शिक्षण संस्था, कोल्हापूर

Vivekanand College, Kolhapur (Autonomous)

“One Day Workshop on
Importance & Opportunities in Biochemical Sciences”
under lead College Scheme, Shivaji University, Kolhapur

Organized by
Department of Chemistry

Date: 17th Mar 2022, Time: 10:30 am to 4:30 pm

Venue: Library Hall

Feedback Form

Your feedback is critical for our college to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Name of Participant: Anagha Atul Powar Class/College: CNCVCW

- Does workshop fulfilled your expectations? ☒ Yes ☐ No
- Whether the content was as described in publicity material? ☒ Yes ☐ No
- Does workshop helpful to get opportunities in Biochemical Sciences? ☒ Yes ☐ No
- Was material presented in an organized manner? ☒ Yes ☐ No
- Was an instructor knowledgeable on the corresponding topic? ☒ Yes ☐ No
- As per the title, was this workshop: ☐ a. Too short ☒ b. Right length ☐ c. Too long
- In your opinion, was this workshop: ☒ a. Introductory ☐ b. Intermediate ☐ c. Advanced
- Please rate the following:

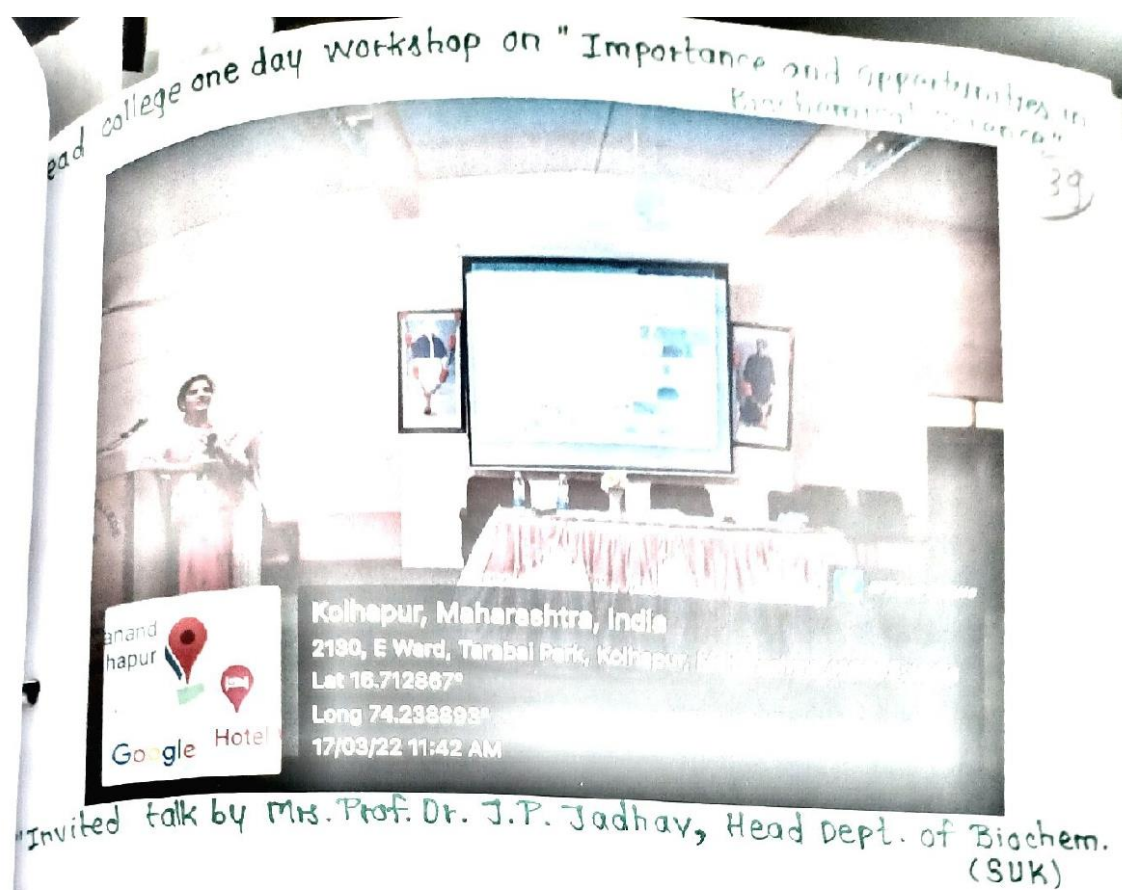
	Excellent	Very Good	Good	Fair	Poor
a. Visuals	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Acoustics	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Hospitality	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The program overall	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- What did you most appreciate/enjoy/think was best about the workshop? Any suggestions for improvement?

It was truly an informative workshop.
Got to know more about the topic.

Thank you!

Please return this form to the instructor or coordinator at the end of the workshop.

Signature of Participant: Powar



* Felicitation of poster Presentation
Winners by Mr. C.J. Kamble

41



* Felicitation of Miss. Aishwarya A More
president Gold Metal Award.





विवेकानंद कॉलेजमध्ये "जीवरसायनशास्त्रांचे महत्व व नोकरीच्या संधी"
विषयावर एक दिवसीय कार्यशाळा

47

कोल्हापूर दि.19: येथील विवेकानंद कॉलेजमध्ये रसायनशास्त्र विभागाच्या वतीने शिवाजी विद्यापीठाच्या अग्रणी महाविद्यालय योजनेअंतर्गत "जीवरसायनशास्त्रांचे महत्व व नोकरीच्या संधी" विषयावर एक दिवसीय कार्यशाळा आयोजित करण्यात आली होती. कार्यशाळेचे उद्घाटन शिवाजी विद्यापीठ जीवरसायन शास्त्र विभाग प्रमुख डॉ. सौ. जे. पी. जाधव, यांचे हस्ते झाले. प्रास्ताविक व स्वागत डॉ.सौ.एस. डी. शिर्के यांनी केले. अध्यक्षस्थानी अग्रणी महाविद्यालय योजनेचे महाविद्यालयातील प्रमुख प्रा. सी.जे.कांबळे हे होते. यावेळी त्यांनी विद्यार्थ्यांना अग्रणी महाविद्यालय योजनेचा हेतू, उद्देश विषद केला.

प्रथम सत्रात डॉ. जे. पी. जाधव यांनी जैवरसायनशास्त्राचे महत्व सोदाहरण स्पष्ट करून सांगितले. तसेच विविध क्षेत्रामध्ये औद्योगिक, वैद्यकीय, कृषी, शैक्षणिक क्षेत्रामध्ये असणाऱ्या नोकरीच्या संधी तसेच परदेशात मिळणाऱ्या नोकरी संदर्भातील शिष्यवृत्ती, युजीसी, डीएसटी मार्फत घेण्यात येणाऱ्या फेलोशिप्स या विषयी मार्गदर्शन केले.

दुसऱ्या सत्रात डॉ. के. डी. सोनवणे यांनी ड्रग डिझायनिंग या विषयावर विद्यार्थ्यांना सखोल मार्गदर्शन केले. या कार्यशाळेचे आयोजन प्राचार्य डॉ. आर. आर. कुंभार यांच्या मार्गदर्शनाखाली करणेत आले. आभार प्रा एस एस कदम यांनी मानले. सुत्रसंचालन डॉ ए.एस.तपासे यांनी केले. या कार्यशाळेस प्रा डॉ के ए उंडाळे, डॉ.डी.एस.गायकवाड, कु पी ए घोलप व अग्रणी महाविद्यालय अंतर्गत क्लस्टर कॉलेजमधील विद्यार्थी व प्राध्यापक उपस्थित होते. रसायनशास्त्र विषयाची माजी विद्यार्थिनी कु. ऐश्वर्या आकाराम मोरे हिला राष्ट्रपती सुवर्णपदक मिळाल्याबद्दल विभागातर्फे गौरविण्यात आले. तसेच भितीपत्रिका प्रदर्शन स्पर्धेतील विजेत्यांना बक्षिस वितरण करण्यात आले.

विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)

दि.19.03.2022

जा.क्र.व्हीसीके/मेलव्दारे/-2022-23

प्रति,
मा. संपादकसो,
दैनिक कोल्हापूर.

महोदय,
वरील बातमी आपल्या लोकप्रिय दैनिकात फोटोसह प्रसिद्ध करून सहकार्य करावे ही विनंती.
कळावे,

आपला विश्वास
प्राचार्य डॉ. आर. आर. कुंभार
प्राचार्य
विवेकानंद कॉलेज
कोल्हापूर

News sent by mail 8/19/3

पुण्य नगरी 'विवेकानंद'मध्ये 'नोकरीच्या संधी'वर कार्यशाळा

कोल्हापूर : प्रतिनिधी
विवेकानंद कॉलेजमध्ये रसायनशास्त्र विभागातर्फे शिवाजी विद्यापीठाच्या अग्रणी महाविद्यालय योजनेतर्गत 'जीवरसायनशास्त्राचे महत्त्व व नोकरीच्या संधी' विषयावर एकदिवसीय कार्यशाळा आयोजित करण्यात आली होती. कार्यशाळेचे उद्घाटन विद्यापीठ जीवरसायनशास्त्र विभागप्रमुख डॉ. जे. पी. जाधव यांच्या हस्ते झाले. अध्यक्षस्थानी प्रा. सी. जे. कांबळे हे होते.

प्रथम सत्रात डॉ. जे. पी. जाधव यांनी जीवरसायनशास्त्राचे महत्त्व स्पष्ट केले. विविध क्षेत्रांमध्ये असणाऱ्या नोकरीच्या संधी तसेच परदेशात मिळणाऱ्या नोकरीसंदर्भातील शिष्यवृत्ती, यूजीसी, डीएसटीमार्फत घेण्यात येणाऱ्या फेलोशिप याविषयी मार्गदर्शन केले. दुसऱ्या सत्रात डॉ. के. डी. सोनवणे यांनी ड्रग डिझायनिंग या विषयावर मार्गदर्शन केले. कार्यशाळेचे आयोजन प्राचार्य डॉ. आर. आर. कुंभार यांच्या मार्गदर्शनाखाली

करण्यात आले होते. प्रा. एस. एस. कदम यांनी आभार मानले. सूत्रसंचालन डॉ. ए. एस. तपासे यांनी, तर प्रास्ताविक डॉ. एस. डी. शिर्के यांनी केले. कार्यशाळेस डॉ. के. ए. उंडाळे, डॉ. डी. एस. गायकवाड, पी. ए. घोलप व क्लस्टर कॉलेजमधील विद्यार्थी व प्राध्यापक उपस्थित होते. रसायनशास्त्र विषयाची माजी विद्यार्थिनी ऐश्वर्या आकाराम मोरे हिला राष्ट्रपती सुवर्णपदक मिळाल्याबद्दल विभागातर्फे गौरवण्यात आले.

Smart Kolhapur
Page No.5 March 21, 2022





“Education for Knowledge, Science, and Culture”

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur
(Autonomous)



21	One day workshop on Blended Learning with LMS MOODLE	Computer Science	21/03/2022
-----------	---	-------------------------	-------------------

INDEX

Sr. No.	Content	Page No.
1.	One Page Report with Photos	110-111
2.	Permission letter	112
3.	Notices	113
4.	Program Schedule	114
5.	Invitation letter/Thanks letter	115-116
6.	Letters of Students-Teachers Exchange	117-119
7.	Registration Faculty and Students	120-128
8.	feedback	129-134
9.	Participants letter	135



“Education for Knowledge, Science and Culture”
-Shikshanmaharshi Dr. Bapuji Salunkhe

Vivekanand College, Kolhapur
(Autonomous)
Internal Quality Assurance Cell
2021-22



Criteria V- Activities Report

1. **Name of Department:** - Computer Science
2. **Name of Organized Activity:** - Shivaji University Sponsored Lead college activity Under D.R.K. Commerce College, Kolhapur One Day Workshop on “**Blended Learning with LMS MOODLE**”
3. **Date/ Duration:** - 21/03/2022
4. **Aims and Objectives:** -
 - To aware the students and faculty members from Shivaji University cluster about learning management system in accordance with blended learning on Moodle environment.
 - To give the hands-on training on Moodle platform.
5. **No. of beneficiaries:** - 64
6. **Expenditure & funding agency:** - Rs.12,000 Sponsored by Shivaji University, Kolhapur.
7. **Brief description:** - Resource Person: - Mr. Ajay Kapase, Assistant Professor, KIT's College of Engineering, Kolhapur. Two back-to-back sessions were delivered by the resource person in which first session was based on the introduction of blended learning, LMS and Moodle and theoretical aspects in LMS and the second session was totally on Hands on training to create all participants own Moodle.

8. **Outcomes:-** The participant faculty members has developed their own Moodle using gnomio and created their Mooc courses and the participant students were joined the courses created by their teacher also the faculty members were designed one test by adding the question sets and the same was attempted by the students. **The faculty members from 5 different colleges were started using their own Moodle with the help of the workshop.**

9. **Photos: -**



Department of Computer Science

Date: 11/03/2022

To,
The Principal,
Vivekanand College (Autonomous),
Kolhapur.

Subject: Permission to organize a **Lead College Workshop** on **"Blended Learning with LMS MOODLE"** on Monday 21 March 2022.

Respected Sir,

As per the subject cited above, Lead college activity workshop entitled **"Blended Learning with LMS MOODLE"** has been sanctioned to our department, so we are going to organize the same on Monday 21 March 2022.

We have invited **Mr. Ajay Babasaheb Kapase**, Assistant Professor KIT's College of Engineering, Kolhapur as an expert resource person.

So, I request you to please give us the permission to organize the same in the **Library Hall** on the said date.

Also, I request you to please give us the advance of Rs. 12,000/- to organize the same.

Thanking you,

Sincerely Yours

Dr. V. B. Waghmare
Dr. V. B. Waghmare
Head of Department

Dept. of Computer Science
Vivekanand College, Kolhapur

DEPARTMENT OF COMPUTER SCIENCE



"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षणप्रसार
- शिक्षणमहर्षी डॉ. बापुजी साळुंखे

Vivekanand College, Kolhapur (Autonomous)

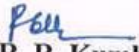
Ref:

Date: 15-03-2022

NOTICE

All the Senior College Heads of Department are hereby informed that on **Monday 21 March 2022 at 10:30AM** onwards the Department of Computer Science has organized a Lead College Workshop on "**Blended Learning with LMS Moodle**" in Room No.14 followed by Hands on session in Computer Lab.

You are requested to spare one of your faculty member to attend the said workshop. Be present on time and actively participate in the event by following Covid-19 protocols.


Dr. R. R. Kumbhar
PRINCIPAL
Vivekanand College
Kolhapur

“Dissemination of Education for Knowledge, Science and Culture.”

– Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

Department of Computer Science,

Shivaji University, Kolhapur, DRK Commerce College, Kolhapur Cluster Sponsored
Organized

LEAD COLLEGE ACTIVITY

Workshop on “Blended Learning with LMS Moodle”

On Monday 21st March 2022 at 10:30am to 05:00pm

PROGRAM SCHEDULE

10:30am	Inauguration by Hon'ble Principal Dr. R. R. Kumbhar by watering a plant
10:31am	Sanstha Prarthana
10:32am	Introductory Speech about Workshop by Dr. V. B. Waghmare
10:34am	Wel-come of the Guests
10:36am	Presidential Speech by Dr. R. R. Kumbhar
11:00am	Vote of thanks of inauguration by Dr. I. K. Mujawar
11:01am	Introduction of the Guest by Ms. Mrunal Dinde
11:03am	Session – I (Mr. Ajay Kapase , KITs College of Engineering, Kolhapur) (Room No. 14)
01:00pm	Lunch Break
2:00pm	Session-II Hands on Session (Mr. Ajay Kapase) (Lab)
4:30pm	Question answer session
4:50pm	Vote of thanks by Ms. S. Z. Mullani
	(Anchoring by Ms. Rajashree Patil)

Jr. College Recog. No. H.S.C./1074/R-1/DT : 8-8-1976
Jr. College Code No. 23-09-002
Jr. College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”
शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Estd. : June 1964



विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)

२१३०, ई, ताराबाई पार्क, कोल्हापूर, ता. करवीर, जि. कोल्हापूर - ४१६ ००३

शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत

नॅक मानांकन : 'A' (सी.जी.पी.ए. ३.२४)

कॉलेज उर्दूथ पोटेन्शियल फॉर एक्सलन्स, यु.जी.सी., न्यु दिल्ली

स्टार कॉलेज - डी.बी.टी. - भारत सरकार

आय.एस.ओ. १००१:२०१५



(स्वायत्त) कोल्हापूर

Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resi. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

संस्थापक

डॉ. बापूजी साळुंखे
D. Lit.

अध्यक्ष

मा. आमदार चंद्रकांत दादा पाटील
MLA

कार्याध्यक्ष

प्राचार्य अभयकुमार साळुंखे
M.A.

सचिव

प्राचार्या सौ. शुभांगी गावडे
M.Sc., B.Ed.

प्राचार्य

डॉ. आर. आर. कुंभार
M.Sc. M.Phil. Ph.D.

जावक क्रमांक वि.सी.के. / २११२/२०२१-२२

दिनांक : १५.३.२०२२

To,
Mr. Ajay Kapase
KIT's College of Engineering,
Kolhapur

Sir,

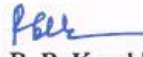
It gives me immense pleasure in inviting you for Seminar under Lead College activity of Shivaji University, Kolhapur to be held at Department of Computer Science, Vivekanand College, Kolhapur on Monday 21st March, 2022 at 10:30am on the topic entitled “Blended Learning with LMS Moodle”.

Our college is reaccredited with 'A' grade by NAAC with CGPA 3.24 in the third cycle. The college has been recognized as the College with Potential for Excellence (CPE) by the UGC, and included in the Star College scheme by the Dept. of Bio-technology, Govt. of India. Our College is striving hard for excellence in different areas of research needed for the development of the region and academics to explore talent of the potential researchers and students.

In view of this, I take this opportunity to invite you to give a Seminar for our faculty and students.

Best regards.

OLC


(Dr. R. R. Kumbhar)
PRINCIPAL
Vivekanand College
Kolhapur

Jr. College Recog. No. H.S.C./1074/R-1/DT : 8-8-1976
Jr. College Code No. 23-09-002
Jr. College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”
शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Estd. : June 1964



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resi. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

Founder
Dr. Bapurji Salunkhe
D. Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/ 2169/2021-22

Date : 21.3.2022


To,
Mr. Ajay Kapase
KIT's College of Engineering,
Kolhapur

Sir,

Thank you for delivering a seminar under Lead College activity of Shivaji University, Kolhapur at Department of Computer Science, Vivekanand College, Kolhapur. The lecture and hands on session was greatly appreciated and well received by the participant. The Department of Computer Science, Vivekanand College, Kolhapur would like to express deep sense of gratitude for your esteemed Co-operation.

I hope for your continuous support in the future.

O/c


(Dr. R. R. Kumbhar)
PRINCIPAL
Vivekanand College
Kolhapur

Jr. College Recog. No. H.S.C./1074/R-1/DT : 8-8-1976
Jr. College Code No. 23-09-002
Jr. College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुसंस्कार यांचाठी शिक्षण प्रसार”
शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Estd. : June 1964



विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)

२१३०, ई, ताराबाई पार्क, कोल्हापूर, ता. करवीर, जि. कोल्हापूर - ४१६ ००३
शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत
नॅक मानांकन : 'A' (सी.जी.पी.ए. ३.३४)
कॉलेज उईथ पोटेन्शियल फॉर एक्सलन्स, यु.जी.सी., न्यू दिल्ली
स्टार कॉलेज - डी.बी.टी. - भारत सरकार
आय.एस.ओ. ९००१:२०१५



Ph. : 0231-2658612, 2658840 | Fax : 0231-2658840 | Resi. : 0231-2653962 | Website : www.vivekanandcollege.org | E-mail : info@vivekanandcollege.org

संस्थापक

डॉ. बापूजी साळुंखे
D.Lit.

अध्यक्ष

मा. आमदार चंद्रकांत दादा पाटील
MLA

कार्याध्यक्ष

प्राचार्य अभयकुमार साळुंखे
M.A.

सचिव

प्राचार्या सौ. शुभांगी गावडे
M.Sc., B.Ed.

प्राचार्य

डॉ. आर. आर. कुंभार
M.Sc. M.Phil. Ph.D.

जावक क्रमांक वि.सी.के. / 2113/2021-22

दिनांक : 15.3.2022

प्रति,

मा. प्राचार्य,

डी.आर.के. कॉलेज ऑफ कॉमर्स क्लस्टर अंतर्गत सर्व महाविद्यालय

विषय : अग्रणी महाविद्यालय योजने अंतर्गत कार्यशाळेबाबत...

महोदय,

उपरोक्त विषयान्वये शैक्षणिक वर्ष २०२१-२२ मध्ये आमच्या महाविद्यालयात अग्रणी महाविद्यालय योजना (डी. आर. के. कॉमर्स कॉलेज, कोल्हापूर क्लस्टर) अंतर्गत येथील कॉम्प्युटर सायन्स विभागांतर्गत "Blended Learning with LMS Moodle" या विषयावर एक दिवसीय कार्यशाळा सोमवार दि. २१.०३.२०२२ रोजी सकाळी १०.३० ते ५.०० या वेळेत रूम नंबर १४ मध्ये आयोजित केली आहे. तरी आपल्या महाविद्यालयातील एक प्राध्यापक व चार विद्यार्थी या कार्यशाळेस पाठवून द्यावेत ही विनंती सहभागी विद्यार्थी संख्या व प्राध्यापक यांची नोंदणी खाली दिलेल्या e-mail ID अथवा फोन नंबर वर दि. १९.०३.२०२२ पर्यंत कळविण्यात यावी.

कार्यशाळा समन्वयक:

डॉ. व्ही. बी. वाघमारे

फोन. नं. 9860625005

E-mail: vishal.pri12@gmail.com

कळावे,

आपला विश्वासू

Pri

(डॉ. आर. आर. कुंभार)

प्राचार्य

विवेकानंद कॉलेज
कोल्हापूर

Principal : Dr. V. M. Patil

M.A., M. Phil., Ph.D.

E-mail : nck30.cl@unishivaji.ac.in

website : www.newcollege.ac.in

Phone : 0231-2621187



CENTENARIAN AND AWARDEE OF 'IDEAL' INSTITUTION

BY GOVERNMENT OF MAHARASHTRA

SHRI PRINCE SHIVAJI MARATHA BOARDING HOUSE'S

THE NEW COLLEGE, KOLHAPUR

(ARTS, COMMERCE, SCIENCE, B.B.A. B.C.A., B.Sc. Com. Sci. (Entire))

(Affiliated to Shivaji University, Kolhapur)

NAAC A+ Grade

1062, 'A' Ward, Shivaji Peth, Kolhapur - 416012 (Maharashtra)

CELEBRATING GOLDEN JUBILEE YEAR

Ref. No. : NCK/ 2367 / 2021-22

Date :

17 MAR 2022

प्रती,
मा. प्राचार्यसो,
विवेकानंद कॉलेज,
कोल्हापूर

विषय : कार्यशाळेत विद्यार्थ्यांना सहभागी करून घेणे बाबत.....

महोदय,

आपल्या महाविद्यालयातील संगणकशास्त्र विभागाच्या वतीने अग्रणी महाविद्यालय योजने अंतर्गत " Blended Learning with LMS Moodle " या विषयावर आयोजित १ दिवसीय कार्यशाळेसाठी खाली विद्यार्थ्यांना सहभागी होण्यासाठी सोमवार दि. २१ मार्च २०२२ रोजी पाठवीत आहोत. तरी त्यांचा सहभाग नोंदवून सहकार्य करावे हि विनंती. कळावे,

आपला विश्वासू,

प्राचार्य,

न्यू कॉलेज, कोल्हापूर

➤ सहभागी होणाऱ्या विद्यार्थ्यांची नावे खालीलप्रमाणे.....

अ.क्र.	विद्यार्थ्यांचे नाव	वर्ग
१.	कु. निराली ममियाना	बी.एस्सी भाग ३
२.	कु. प्रतीक्षा मोरे	बी.एस्सी भाग ३
३.	कु. तेजल जाधव	बी.एस्सी भाग ३
४.	कु. ऑंकार साळोखे	बी.एस्सी भाग ३
५.	प्रा. स्नेहाली सुरज शिंदे	संगणकशास्त्र विभाग



Sangrul Education Society's
S. B. KHADE MAHAVIDYALAYA, KOPARDE

Tal. Karvir, Dist. Kolhapur

NAAC – B Grade

I/C Principal, V. M. Suryavanshi
M. A.
Email: principalsbkhade@yahoo.in

Office – 0231 2444307
Mobile: 9421110871

Ref.No. SBK/21.22 / Lead College

Date : 16 /03 /2022

प्रति,

सन्मा प्राचार्य / समन्वयक,
विवेकानंद कॉलेज, कोल्हापूर
ताराबाई पार्क

विषय - विद्यार्थ्यांना सहभागी करून घेणे बाबत

महोदय,

आपल्या महाविद्यालयामध्ये डी. आर. के. कॉलेज, कोल्हापूर यांच्या अग्रणी महाविद्यालय अंतर्गत घेतल्या जाणा-या **Blended Learning with LMS Moodle** या विषयावर आधारीत सोमवार दि. २१/०३/२०२२ रोजी होणा-या कार्यशाळेस खालील विद्यार्थी उपस्थित राहत आहेत. तरी सदर विद्यार्थ्यांना सहभागी करून घ्यावे ही विनंती.

अ न	विद्यार्थ्यांचे नांव	वर्ग	शेरा
१	प्रा. सौ मस्कर शारदा प्रकाश	-	प्राध्यापक
२	कु. तळेकर अपर्णा अशोक	बी एस्सी भाग एक	विद्यार्थी
३	कु. सुर्यवंशी अरुंधती प्रकाश	बी एस्सी भाग एक	विद्यार्थी
४	कु. लवटे सानिका गजानन	बी एस्सी भाग एक	विद्यार्थी
५	कु. पाटील सुलोचना सुखदेव	बी एस्सी भाग एक	विद्यार्थी

कळावे,

आपला विश्वास

Sms
(प्रा. वी. एम. सुर्यवंशी)
PRINCIPAL

S. B. Khade Mahavidyalaya, Koparde
Tal. Karvir, Dist. Kolhapur

Vivekanand College, Kolhapur (Autonomous)

Department of Computer Science,

LEAD COLLEGE ACTIVITY

Workshop on "Blended Learning with LMS Moodle"

REGISTRATION SHEET

Date: 21/03/2022


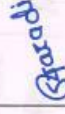






Time: 09:30AM









Sr. No.	Name of the Participant in CAPITAL LETTERS	Class	College Name	Letter from College	Kit	Food Coupon	Sign
1.	Ms. SHINDE SNEHALI SURAJ 7588228041	Teacher	The New College, Kolhapur	✓	✓	✓	<i>[Signature]</i>
2.	Ms. NIRALI MAMANIYA 7666107352	B.Sc. III	The New College, Kolhapur	✓	✓	✓	<i>[Signature]</i>
3.	Ms. TEJAL JADHAV	B.Sc. III	The New College, Kolhapur 7822849445	✓	✓	✓	<i>[Signature]</i>
4.	Ms. PRATIKSHA MORE	B.Sc. III	The New College, Kolhapur 7066290545	✓	✓	✓	<i>[Signature]</i>
5.	Mr. OMKAR SALOKHE	B.Sc. III	7249679644 The New College, Kolhapur	✓	✓	✓	<i>[Signature]</i>









6.	Ms. MESTRI RIMA RAM	Teacher	Mahavir College, Kolhapur 7588078103	✓	✓	✓	<i>[Signature]</i>
7.	Ms. MATTHIL KAGWADE	B.Sc. III	Mahavir College, Kolhapur 9604586763	✓	✓	✓	<i>[Signature]</i>
8.	Ms. MOHINI KOLI	B.Sc. III	Mahavir College, Kolhapur 7498126212	✓	✓	✓	<i>[Signature]</i>
9.	Ms. AARATI RAI	B.Sc. III	Mahavir College, Kolhapur 9028673906	✓	✓	✓	<i>[Signature]</i>
10.	Ms. SAKSHI MAHUTKAR	B.Sc. III	Mahavir College, Kolhapur 8459387278	✓	✓	✓	<i>[Signature]</i>
11.	Ms. MASKAR SHARDA PRAKASH	Teacher	S. B. Khade Mahavidyalaya, Koparde 9588472544	✓	✓	✓	<i>[Signature]</i>
12.	Ms. TALEKAR APARNA ASHOK	B.Sc. I	S. B. Khade Mahavidyalaya, Koparde 8766604396	✓	✓	✓	<i>[Signature]</i>
13.	Ms. SURYAWANSHI ARUNDHATI PRAKASH	B.Sc. I	S. B. Khade Mahavidyalaya, Koparde 983411701	✓	✓	✓	<i>[Signature]</i>

Sr. No.	Name of the Participant in CAPITAL LETTERS	Class	College Name	Letter from College	Kit	Food Coupon	Sign
14.	Ms. LAVTE SANIKA GAJANAN	B.Sc. I	S. B. Khade Mahavidyalaya, Koparde 8390628182	✓	✓	✓	
15.	Ms. PATIL SULOCHANA SUKHDEV	B.Sc. I	S. B. Khade Mahavidyalaya, Koparde 8626064979	✓	✓	✓	
16.	Ms. Jadhav Purva 9923031225 Sunil	B.Sc. II	The New College, Kolhapur	✓	✓	✓	
17.	Mr. D. B. medhe	Teacher	G. K. G College	✓	✓	✓	
18.	Akshata S. chavan	B.Sc. III	G. K. G. college	✓	✓	✓	
19.	Saniya. F. Mujawar.	B.Sc. III	G. K. G. College	✓	✓	✓	
20.	Yadav N. S.	Teacher	R. C. Shahu College	✓	✓	✓	

Sr. No.	Name of the Participant in CAPITAL LETTERS	Class	College Name	Letter from College	Kit	Food Coupon	Sign
21	Narendra Khandna Baraik 7020511257	B.Sc. CS III	Gokhale Collage, Kolkata	✓	✓	✓	
22	Aditya Lohar 9767281653	B.Sc CS III	GKC college Kolkata	✓	✓	✓	
23	Dnyanesh Sutar 9011787670	B.Sc.S. III	GKC college Kolkata	✓	✓	✓	
24	Poojaka Rajaram Khanke 94649385038737	B.C.S- 3	R.C.S.C. Kolkata	✓	✓	✓	
25	Dipali Sanjay Yamgokar 9604222167	B.C.S- 3	R.C.S.C. Kolkata	✓	✓	✓	
26	Navnath Popet Athade 9767381292	B.C.S 3	R.C.S.C. Kolkata	✓	✓	✓	
27	Balaji Prakash Devta 7038575658	B.C.8 3	R.C.S.C. Kolkata	✓	✓	✓	

Sr. No.	Name of the Participant in CAPITAL LETTERS	Class	College Name	Letter from College	Kit	Food Coupon	Sign
26	Akshata Suhas Mahadik	B.Sc-III	Vivekanand college, Kolhapur			✓	
27	Saniya Harun Garadi	B.Sc-III	Vivekanand college, Kolhapur			✓	
28	Tasmiya Kasim Jamadar	B.Sc-III	Vivekanand college, Kolhapur			✓	
29	Preeti Manohar Katyar	B.Sc-III	Vivekanand College, Kolhapur.			✓	
30	Kajal Lakhmichand Katiyar	B.Sc-III	"			✓	
31	Vaishnavi Ravaso Jadhav	B.Sc-III	Vivekanand College, Kolhapur			✓	
32	Rajvardhan.S.Magdum	B.Sc-III	— " —			✓	
33	Pratik Pradeep Chavan	B.Sc-III	Vivekanand college, Kolhapur			✓	

Sr. No.	Name of the Participant in CAPITAL LETTERS	Class	College Name	Letter from College	Kit	Food Coupon	Sign
91	Rajvardhan . S. Magdum	B.Sc III	Vivekanand college Kolhapur			✓	
92	Kirti Pravin Shinde	B.Sc III	Vivekanand college Kolhapur			✓	
93	Shreyas Subhash Patil	B.Sc III	Vivekanand college Kolhapur			✓	
94	Snehal Sanjay Patil	B.Sc III	Vivekanand college Kolhapur			✓	
95	Ashrafalli Akhtarhusein Mulla	B.Sc III	Vivekanand college Kolhapur			✓	
96	Nishrajeet Ganesh Sutar	B.Sc III	Vivekanand college Kolhapur			✓	
97	Snehal sudhakar Niemale	B.Sc III	Vivekanand college Kolhapur			✓	
98	Samarbhan Arul. Arade,	B.Sc III	Vivekanand college Kolhapur			✓	

Sr. No.	Name of the Participant in CAPITAL LETTERS	Class	College Name	Letter from College	Kit	Food Coupon	Sign
44	Ananya Balwant Kadwale	B.Sc III	Vivekanand College, Kolhapur			✓	
45	Sammed Rajgonda Patil	B.Sc III	Vivekanand College Kolhapur			✓	
46	Pankaj Vishnu Khandare	B.Sc III	— " —			✓	
47	Santosh Subhash Patil	B.Sc III	Vivekanand College Kolhapur			✓	
48	VAISHNAVI SURESH SUTAR	B.Sc III	Vivekanand College, Kolhapur			✓	
49	KARISHMA RAMJANLAL MALI	B.Sc III	Vivekanand College Kolhapur			✓	
50	Harshada Sanjay Sutar	B.Sc III	Vivekanand College Kolhapur			✓	
51	Poonam Sanjay Giri	B.Sc III	Vivekanand College Kolhapur			✓	

Vivekanand College, Kolhapur (Autonomous)

Department of Computer Science,



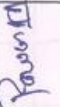
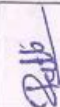
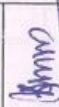
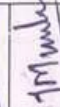

LEAD COLLEGE ACTIVITY

Workshop on "Blended Learning with LMS Moodle"

REGISTRATIONS FOR VCK FACULTY/STUDENTS

Date: 21/03/2022

Time: 09:30AM

Sr. No.	Name of the Participant in CAPITAL LETTERS	Class	College of Department	Sign
1.	Samru Lakshman mullavi		computer sci.	
2.	MRUNAL PANDIT DINDE		computer sci.	
3.	Pawar Ajit Arjun		Statistics	
4.	Patil Poonam Chandrakant		Statistics	
5.	Mekandaz Asiyana Mahammadropik		Statistics	
6.	Dr. Jyoti Mahadev Gensule		Botany	
7.	Dr. Sneha Sampatras Desai.		Zoology	

Vivekanand College, Kolhapur (Autonomous)

Department of Computer Science,













LEAD COLLEGE ACTIVITY

Workshop on "Blended Learning with LMS Moodle"

Attendance

Date: 21/03/2022

Time: 10:30AM

Sr. No.	Name of the Participant	Class	College Name	Session-I Signature	Session-II Signature
1.	Chougale Ketan Krishnat	B.Sc.III	Vivekanand College Kolhapur		
2.	Patil Rohan Ashok	B.Sc.III	" "		
3.	Patil Santosh Subhash	B.Sc.III	" "		
4.	Kadwale Ananya Balwant	B.Sc. - III	" "		
5.	Khondare Ponkaj Vishnu	B.Sc. III	" "		
6.	Shivane Ashutosh Dhanraj	B.Sc. III	" "		
7.	Patil Sujit Sunil	B.Sc. III	" "		

8. Shri Subhash Patil	BSC - III	Vivekanand College Kolhapur	<i>Patil</i>	<i>Patil</i>
9. Pratik Pradeep Dhan	Bsc - III	Vivekanand College Kolhapur	<i>Dhan</i>	<i>Dhan</i>
10. Abhishek Ajit Patil	B.Sc - III	Vivekanand College Kolhapur	<i>Patil</i>	<i>Patil</i>
11. Ashraf Ali A. Mulla	B.Sc - III	Vivekanand College Kolhapur	<i>Mulla</i>	<i>Mulla</i>
12. Rajarathn S. Magdum	B.S.C. III	Vivekanand college Kolhapur	<i>Magdum</i>	<i>Magdum</i>
13. Nishuogdet G. Datar	BSC. III	Vivekanand college Kolhapur	<i>Datar</i>	<i>Datar</i>
14. Dnyanesh R. Sutan	B.SC. III	Gokhale College, Kolhapur	<i>Sutan</i>	<i>Sutan</i>
15. Anand R. Srinivas	B.Sc. CS III	Gokhale College, Kolhapur	<i>Srinivas</i>	<i>Srinivas</i>
16. Aditya S. Lohar	B.Sc - CS - III	Gokhale college Kolhapur	<i>Lohar</i>	<i>Lohar</i>
17. Mr. D. B. Medhe	Teacher	G. K. G. College, Kop	<i>Medhe</i>	<i>Medhe</i>
18. Balaji P. Devtar	B.C.S - III	R. I. S. C. Kolhapur	<i>Devtar</i>	<i>Devtar</i>
19. Navnath P. Akhade	B.C.S - III	R.C.S.C. Kolhapur	<i>Akhade</i>	<i>Akhade</i>

20	Onkar S. Salokhe	BSc - III	The New College, Kolhapur	SSY	
21	Ekal Sanket Sanyasrao	BSc - III rd	Vivekanand college.	K. Sanyasrao	K. Sanyasrao
22	Atadesh Satish Patil	BSc - III rd	Vivekanand College, Kolhapur	Patil	Patil
23	Junil Surish Patil	BSc - III rd	Vivekanand college, Kolhapur	Patil	Patil
24	Samadhar Anil Asade.	BSc - III rd	Vivekanand college Kolhapur	Asade	
25	Sammed Rajgondak Patil	BSc - III rd	Vivekanand college Kolhapur	Patil	
26	Miss. Masakar Sharda P.	Teacher	S. B. Khade Mahavidyalaya	Khade	Khade
27	Arundhati Prakash Suryawanshi	BSc - I	S. B. Khade Mahavidyalaya	Arundhati	Arundhati
28	Aparna Ashok Talekar	BSc - I	S. B. Khade Mahavidyalaya	Talekar	Talekar
29	Sanika Gajanan Kavhate.	BSc Ist	S. B. Khade Mahavidyalaya	Kavhate	Kavhate
30	Bhargavi Ramling Kugaji	BSc III rd	Vivekanand College	Kugaji	Kugaji
31	Nikita Subhash Patil	BSc III rd	Vivekanand College	Patil	Patil

32 ✓	Trilok Jalpmichand Katiyar	BSc III	Vivekanand College	Katiyar	
33	Kaishma kumari Mali	BSc III	Vivekanand college	Kaishma kumari	
34 ✓	Preeti Manohar Katiyar	BSc III	Vivekanand College, Kolhapur	P. Katiyar	
35 ✓	Vaishnavi Ravasa Jadhav	BSc III	Vivekanand College Kolhapur	Vaishnavi	
36 ✓	Snehal Sudhakar Nirmale	BSc III	Vivekanand College Kolhapur	Snehal	
37 ✓	Harshada Sanjay Sutar	BSc III	Vivekanand College Kolhapur	Harshada	
38 ✓	Poonam Sanjay Giri	BSc III	Vivekanand College, Kolhapur	Poonam	
39	Dipali Sonjay Jangale	BSc III	R.C.S.C. Kolhapur	Dipali	
40	Pooja Kta Rajaram Khambe	BSc III	R.C.S.C. Kolhapur	Pooja	
41 ✓	Akshata Suhay Mahadik	BSc III	Vivekanand college Kolhapur	Akshata	
42 ✓	Yashnvi Rajendra Khurandale	BSc III	Vivekanand college Kolhapur	Yashnvi	
43 ✓	Saniya Harun Garadi	BSc III	Vivekanand college,	Garadi	

44	Jasmiya Kasim Jamadar	BSC III	Vivekanand college, Kolhapur	<u>Formal</u>	
45	Rutuja Amae Dinde	B.Sc III	Vivekanand college Kolhapur	<u>Formal</u>	
46	Aishwarya Sunil Chavan	B.Sc III	Vivekanand college Kolhapur	<u>Formal</u>	
47	Dr. Jyoti Mahadev Groule	Faculty [Botany]	<u>Formal</u>	<u>Formal</u>	
48	Vaishnavi Suresh Swar	B.Sc III	Vivekanand college Kolhapur	<u>Formal</u>	
49	Sulochana Sukhdeo Patil	B.Sc I	S. B. Kade college Koparde	<u>Formal</u>	
50	Mrunal Pandit Dinde	Faculty (Comp. Sci.)	Vivekanand college Kolhapur	<u>Formal</u>	
51	Dr. Socha Sampatrao Desai	Faculty Zoology	Vivekanand college Kolhapur	<u>Formal</u>	
52	Pratiksha Pandurang Mox	B.Sc III C.S	The New College Kolhapur	<u>Formal</u>	
53	Tejal Suresh Jadhav	B.Sc III C.S	The New college, Kolhapur	<u>Formal</u>	
54	Purva Sunil Jadhav	B.Sc III C.S	The New college, Kolhapur	<u>Formal</u>	
55	Nirali Pares Mamaniya	B.Sc III C.S	The New College Kolhapur	<u>Formal</u>	

56. Smt. Shinde Snehalis,	Asst. Professor	The New College, kop	Shinde	Shinde
57. Smt. Meshi Rima R.	Asst. Prof.	Mahavir College, kop	Meshi	Meshi
58. Miss. Kagwade Maithilis.	Feet student	Mahavir College, kop & Magwade	Kagwade	Kagwade
59. Miss, Koli Mahini S.	student	Mahavir college, kop	Koli	Koli
60. Miss. Arati. N. Rai	student	Mahavir college kop	Rai	Rai
61. Miss. Mahutkar Salshi.	Student	Mahavir College kop	Mahutkar	Mahutkar
62. Kirti. P. Shinde	student	V. C. Kolhapur	Shinde	Shinde
63. Snehal. S. Patil	student	V. C. Kolhapur	Patil	Patil
64. Ratiksha. P. More	student	New College	More	More

“ ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ”

-शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Shri. Swami Vivekananda Shikshan Sanstha, Kolhapur's
Vivekanand College, Kolhapur (Autonomous)

Workshop on
“Blended Learning with LMS Moodle”
under lead College Scheme, Shivaji University, Kolhapur

Organized by
Department of Computer Science

Date: 21st Mar 2022, Time: 09:30 am to 5:00 pm

Venue: Room No.14/Lab

Feedback Form

Your feedback is critical for our college to ensure we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Name of Participant: Dr. Jyoti M. Gure Class/College: vivekanand college, Kolhapur

- Does workshop fulfilled your expectations? ☒ Yes ☐ No
- Whether the content was as described in publicity material? ☒ Yes ☐ No
- Does workshop helpful for your College/Curriculum? ☒ Yes ☐ No
- Was material presented in an organized manner? ☒ Yes ☐ No
- Was an instructor knowledgeable on LMS MOODLE? ☒ Yes ☐ No
- As per the title, was this workshop: ☐ a. Too short ☒ b. Right length ☐ c. Too long
- In your opinion, was this workshop: ☒ a. Introductory ☐ b. Intermediate ☐ c. Advanced
- Please rate the following:

	Excellent	Very Good	Good	Fair	Poor
a. Visuals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Acoustics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Hospitality/Food	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The program overall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- What did you most appreciate/enjoy/think was best about the workshop? Any suggestions for improvement?

Blended Learning with LMS Moodle is very helpful for us. arrange such workshop regularly.

Thank you!

Please return this form to the instructor or coordinator at the end of the workshop.

Signature of Participant: [Signature]



“Education for Knowledge, Science, and Culture”

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur
(Autonomous)**



KOLHAPUR (AUTONOMOUS)

26	Observation of English week activity taken under MoU with Kamala College, Kolhapur (MH)	English	2/03/2022
-----------	--	----------------	------------------

INDEX

Sr. No.	Content	Page No.
1.	Program Schedule	137
2.	Invitation letter/Thanks letter	138-139
3.	Attendance	140-142
4.	Certificate	143

"Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Autonomous)

Department of English

Organizes

Observation of English Week
(2021-2022)

18th April to 23rd April 2022

Inaugural Function

Table Program

- | | | |
|-----------------------------|---|---|
| • Inauguration | : | by Watering the plant |
| • Sanstha Prayer | : | on Audio Player |
| • Introduction | : | Dr. Kavita Tiwade |
| • Speech of the Chief Guest | : | Hon. Dr. Neeta Dhumal
(Professor, Kamala College, Kolhapur) |
| • Presidential Address | : | Hon. Prin. Dr. R. R. Kumbhar
(Principal, Vivekanand College, Kop) |
| • Vote of Thanks | : | Dr. Prabha Patil |

Venue: Room No 13

Date: 18th April 2022

Time: 10:00 a.m.

Jr. College Recog. No. H.S.C./1074/R-1/DT : 8-8-1976
Jr. College Code No. 23-09-002
Jr. College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुरांस्कार यांसाठी शिक्षण प्रसार”
शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Estd. : June 1964



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)

College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resi. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

Founder
Dr. Bapuji Salunkhe
D. Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/ 29/2022-23

Date : 21/4/2022

To,
Dr. Ashutosh Potdar,
A Renowned Writer, Playwright & Poet
Flame University, Pune.

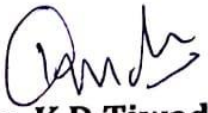
Subject: Invitation as a Resource Person.

Dear Sir,


We are happy to inform you that the Department of English organizing one day workshop on Drama : Text and Performance on 22nd 2022 at 9.00am. As you are the one of the known speakers on this topic , your guidance and deliberation will surely benefit the students.

Please accept our invitation and address our students .

Thank you.


(Dr. K.D. Tiwade)
Head,
Department of English

Yours faithfully,


Dr. R.R. Kumbhar
PRINCIPAL
Vivekanand College
Kolhapur

Jr. College Recog. No. H.S.C./1074/R-1/DT: 8-8-1976
Jr. College Code No. 23-09-002
Jr. College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुरंकर यांसाठी शिक्षण प्रसार”
शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Estd. : June 1964



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)
NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resl. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

Founder
Dr. Bapuji Salunkhe
D. Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/129/2022-23

Date : 2/4/2022

To,
Dr. Sharad Bhutadiya,
Renowned Artist and Dramatist,
Kolhapur.

Subject: Invitation as a Chief Guest for the valedictory of
Observation of English Week.

Respected Sir,

The Department of English celebrates the Observation of English Week, scheduled from Monday, 18th to 23rd April 2022. You are cordially invited for the valedictory function on 23rd April, 2022 at 10. 00 a.m. and speak on '**Shakespeare as an enriching experience**'

Please accept our invitation and address our students on the said topic.

Thank you.

(Dr. K.D. Tiwade)

Head,
Department of English

Yours faithfully,

Dr. R.R. Kumbhar

PRINCIPAL
Vivekanand College
Kolhapur

**Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)
Department of English**

Observation of English Week (2021-2022)

ATTENDANCE

Competition: Poster Presentation Date: 18/04/2022
Time: 10.00 a.m. Venue: Room No 13

Sr. No	Name of Student	Name of Institute	Contact No	Class	Sign
	Shripad P. Jangam	vivekanand clg	749562905	B.CS-I	<i>[Signature]</i>
	Jordin M. Makandar	vivekanand clg	8261865717	BSC-I	<i>[Signature]</i>
	Pooja U. Delekar	vivekanand clg	9011437125	B.Com-I	P.U. Delekar
	Vaishnavi. W. Lagukan	vivekanand clg	7058611554	B.LOMT	<i>[Signature]</i>
	Eshwari Patil	Vivekanand clg	7823873632	B.C.S.I	<i>[Signature]</i>
	Soyam Sawant	Vivekanand clg	8625992062	B.C.S.I	<i>[Signature]</i>
	Rajrandini S. Deshmukh	vivekanand clg	9823195609	B.A.I	<i>[Signature]</i>
	Srushti Ranage	vivekanand clg	9915859474	B.CS-I	<i>[Signature]</i>
	Mansi Parkar	Vivekanand clg	7249361046	B.A.II	<i>[Signature]</i>
	Snehal Dalvi	vivekanand clg	9529039706	BA II	<i>[Signature]</i>
	Snigdha Bandal	vivekanand clg	9022245747	BA II	<i>[Signature]</i>
	Hiti Samiksha Annakuber.	vivekanand College, Kolhapur	9309897915	BAII	<i>[Signature]</i>
	Somnabhat Priyadarshani Somnabhat	Vivekanand college Kolhapur	9370376964	B.A.II	<i>[Signature]</i>
	Khat Komal Balaso	vivekanand college Kolhapur	9921012904	B.A.II	<i>[Signature]</i>
	Sonam Shivaji Chaste	Vivekanand College, Kolhapur	8600519621	B.A.II	<i>[Signature]</i>
	Arati Rajendra Powar	Vivekanand college, Kolhapur	9881871985	B.A.III	<i>[Signature]</i>
	Siddhika. D. Shinde	vivekanand college, Kolhapur	9021333520	BA.III	<i>[Signature]</i>
	Bhakti P. Parihar	vivekanand college Kolhapur	7972696922	BA.I	<i>[Signature]</i>


Dr Kavita Tiwade
Head, Department of English

**Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)
Department of English**

Observation of English Week (2021-2022)

ATTENDANCE

Competition: Poster Presentation Date: 18/04/2022
Time: 10.00 a.m. Venue: Room No 13

Sr. No	Name of Student	Name of Institute	Contact No	Class	Sign
1.	Shravani Patil.	V.C.K(BCS-I)	843270508	BCS-I	S.B.Patil
2.	Prachiti chinchnikar	"		BCS-I	
3.	soyam sawant	"	8625992062	"	Soyam
4.	shripad Jangam	"	7699609015	"	Sripad
5.	Apurva Sahani	K.C.K	8459400505	B.A.I	Ashani
6.	Kavita Ash Sahani	K.C.K	9028803427	B.A.I	K.Ashani
7.	Sanika Mane.	K.C.K.	8530529915	B.A.I	S.J.Mane.
8.	Pooja M. Ramanna	K.C.K.	9325649937	B.A.I	Pooja
9.	Aishwarya shinde	K.C.K	9689659294	B.A.I	Ashinde
10.	Sakshi Awale	K.C.K.	9359690699	B.A.I	Sakshi
11.	Sanika Davane	K.C.K	8421937772	B.A.I	Sanika
12.	Jandini Makandan	V.C.K (BSC-I)	8261865717	BSC	Jandini
13.	Dhanashree Mangare.	Vivekanand Clg. kop.	7385056993	B.A.II	D.Mangare
14.	Aakanksha H. Dolare	Vivekanand Clg. kop	9766261924	B.A.II	A.H.Dolare
15.	Gulnaz G. Pathan	Vivekanand Clg. kop	7276736336	B.A.I	Gulnaz
16.	Shahin Firoz pathan	V.C.K.	9518576863	B.A.I	Shahin
17.	Dhanashri J. shinde	Vivekanand Clg.	9623152119	B.A.I	D.J.Shinde
18.	Samruddhi S. Kamble	V.C.K (B.A.T)	8177968387	B.A.I	S.S.Kamble


Dr Kavita Tiwade
Head, Department of English

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)
Department of English

Observation of English Week (2021-2022)

ATTENDANCE

Competition: Poster Presentation
Time: 10.00. a.m.

Date: 18/04/2022
Venue: Room No 13

Sr. No	Name of Student	Name of Institute	Contact No	Class	Sign
1.	Katekar Ganesh uday	vivekanand	9521355419	B.A. 1 st	<i>[Signature]</i>
2.	Amesh Appasopati	V.C.K	7019458383	B.A. 1 st	<i>[Signature]</i>
3.	Uday. Pawar.	Vivekanand.	9766486886	B.A. 1 st	<i>[Signature]</i>
4.	Nikhil Prakash Patil	V.C.K	9634599042	B.A. 1 st	<i>[Signature]</i>
5.	Tejas R. Gurav	V.C.K	8080265318	B.A. II	<i>[Signature]</i>
6.	Mayuresh M. Shikhar	V.C.K	9511618753	B.Com II	<i>[Signature]</i>
7.	Jeevan Mitake	V.C.K.	8208345118	B.A. II	<i>[Signature]</i>
8.	Abhijeet Naik	V.C.K.	9172741890	B.A. I	<i>[Signature]</i>
9.	SUREEDHAR GONDHARI	V.C.K	7841942138	B.A. I	<i>[Signature]</i>
10.	Ajinkya Mali	V.C.K.	8421834833	B.A. I	<i>[Signature]</i>
11.	Siddharth Khade	V.C.K	8669313432	B.A. T	<i>[Signature]</i>
12.	Abhijit Kumbhar.	V.C.K.	8669185544	B.A. II	<i>[Signature]</i>
13.	Tejas Narake	V.C.K	8329295790	B.A. II	<i>[Signature]</i>
14.	Sagar Khondel	V.C.K	9022673700	B.A. I	<i>[Signature]</i>
15.	Pranav Patil	V.C.K	8010595921	B.A. I	<i>[Signature]</i>
16.	Suman nege.	V.C.K	7798947269	B.A. I	<i>[Signature]</i>
17.	AKASH Karkar	V.C.K	7209061369	B.A. I	<i>[Signature]</i>
18.	Katrina Indikar	V.C.K	8468990943	B.A. II	<i>[Signature]</i>

[Signature]
Dr Kavita Tiwade
Head, Department of English



"Education for Knowledge, Science and Culture."
– Shikshanmaharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR
(Autonomous)

NAAC Accredited 'A' Grade with CGPA 3.24, ISO 9001 : 2015 Certified
'Star College' by DBT, Govt. of India

Observation of English Week (2021-22)

(18th April to 23rd April 2022)

Organized by
DEPARTMENT OF ENGLISH

Certificate

This is to certify that Mr./Ms.....


..... has participated in

.....Competition and has secured

.....rank.


Dr. Kavita Tiwade
Head

Department of English
Vivekanand College, Kolhapur.
(Autonomous)


Dr. R. R. Kumbhar
Principal

Vivekanand College, Kolhapur.
(Autonomous)

23.	Geography student and faculty exchange	Activity taken under MoU No. of Students: 24 No. of Faculties: 02	Student and faculty Exchange Programme
-----	---	--	---



Shri Shahu Shikshan Prasarak Seva Mandal, Peth Vadgaon
Shri Vijaysinha Yadav College, Peth Vadgaon
and



Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur (Autonomous)

Department of Geography

Saturday, 28th May, 2022

Faculty & Student Exchange under MoU

● Programme Schedule ●

Session I (10.00 to 11.00 am)

- ❖ Welcome and Introduction **Dr. D. J. Bhandare**
- ❖ Resource Person: **Dr. H. P. Patil**
Head, Department of Geography,
Vivekanand College, Kolhapur
"Urban Issues and Challenges: 2022"
- ❖ President: **Prin. Dr. Vijaya R. Chavan**
- ❖ Vote of Thanks: **Prof. M. A. Patil**

Session II (11.10 am to 12.30 pm)

- ❖ Resource Person: **Dr. B. S. Jadhav**
Head, Department of Geography
"Georeferencing and Digitization, Google Earth"
- ❖ President: **Dr. Govardhan Ubale**
- ❖ Vote of Thanks: **Dr. D. J. Bhandare**



Shri Vijaysinha Yadav College, Peth Vadgaon, Dist. Kolhapur
And
Vivekanand College, Kolhapur (Autonomous)
Jointly Organized Expert Lectures
Under MoU
Faculty and Students Exchange Programme Report

Name of the Activity : MoU: Faculty and Students Exchange
Date and Time of activity conducted : 28th May, 2022, at 10.00 am to onwards
Nature of Activity : Offline
Target Group : B. A. Part-II and III Students, Teachers
Name of Organizer : Shri Vijaysinha Yadav College, Peth Vadgaon and
Vivekanand College, Kolhapur (Autonomous)
Name of Resource Person : 1) Dr. B. S. Jadhav, Dept. of Geography,
Shri Vijaysinha Yadav College, Peth Vadgaon.
2) Prof. H. P. Patil and Dr. G. S. Ubale
Dept. of Geography, Vivekanand College, Kolhapur
(Autonomous)

Number of Beneficiaries :

Short Description of Conducted Activity:

The faculty and students exchange programme under MoU of both colleges was organized on Saturday, 28th May, 2022 at 10 am to 12.30 pm in Shri Vijaysinha Yadav College. In the first session Prof. H. P. Patil was delivered his views on 'Urban Issues and Challenges: 2022'. Dr. B. S. Jadhav was emphasizes on GIS and Google Earth with practical demo. Dr. G. S. Ubale was guided all participants about Modern Tools and Techniques in Geography.

PO's and PSO's covered:

PO's:

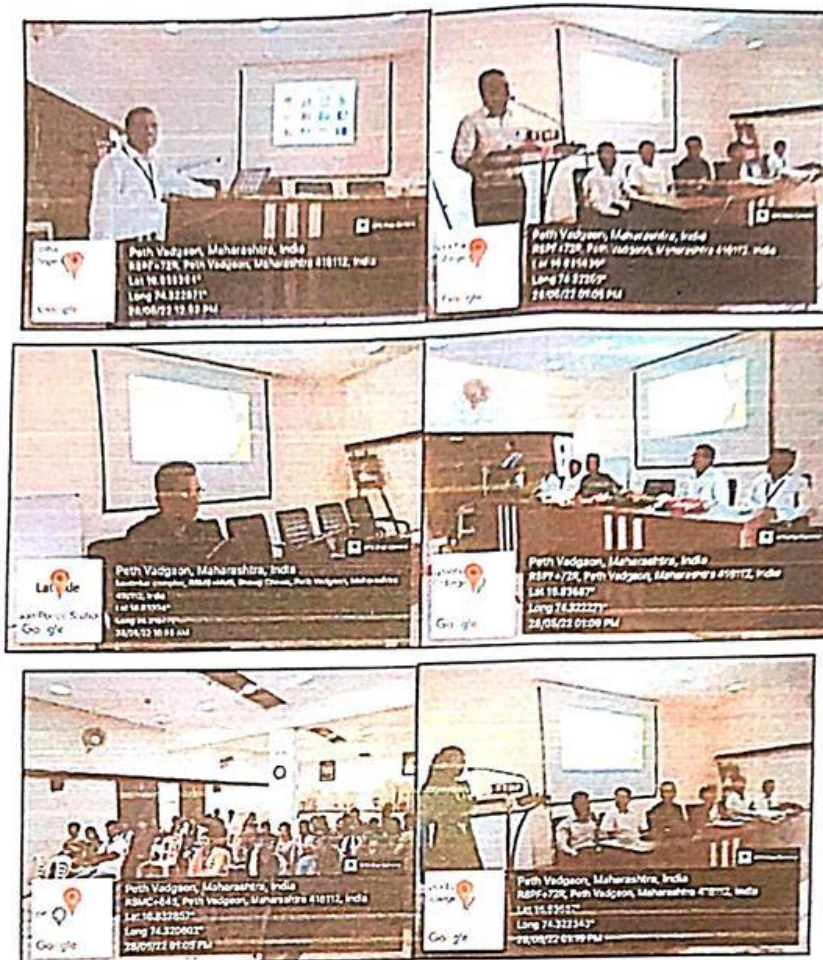
- 1) To understand urban issues and challenges.
- 2) To know Georeferencing, Digitization and applications of Google Earth.
- 3) To know Modern Tools and Techniques in Geography.

Outcomes:

- 1) The beneficiaries understood and aware about urban issues and challenges.
- 2) The beneficiaries became familiar with Georeferencing, Digitization and Applications of Google Earth.
- 3) The beneficiaries got the information of Modern Tools and Techniques in Geography.



Photo Platos



Organizing Committee

- Dr. H. P. Patil (Head, Dept. of Geography)
- Dr. G. S. Ubale
- Dr. S. S. Kale
- Mr. Sunil Bhosale
- Dr. B. S. Jadhav (Head, Dept. of Geography)
- Prof. M. A. Patil
- Dr. D. J. Bhandare

Vivekanand College, Kolhapur
(Autonomous)

Shri Vijaysinha Yadav College, Peth
Vadgaon

H. P. Patil
(Dr. H. P. Patil)
Head
DEPARTMENT OF GEOGRAPHY
VIVEKANAND COLLEGE,
KOLHAPUR.

B. S. Jadhav
(Dr. B. S. Jadhav)
Head
Department of Geography
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur.



Vijaya Chavan
(Prin. Dr. Vijaya Chavan)
Principal
Shri. Vijaysinha Yadav College
Peth Vadgaon, Dist. Kolhapur.

Shri Vijaysinha Yadav College, Peth Vadgaon, Dist. Kolhapur
And

Vivekanand College, Kolhapur (Autonomous)

Jointly Organized Expert Lectures

Under MoU

Faculty and Students Exchange Programme

Saturday, 28th May, 2022 (10.00 am to 12.30 pm)

Participants List

Sr. No.	Name of the Student	Name of the College	Signature
1	Peanoti Anil Jarnade	Vijaysinha yadav college Peth vadgaon	Petrasdar.
2	Aishwarya Ashok Kudam	Vijaysinha college Peth vadgaon	Trachan.
3	Jyoti Ganapati Tadhar	Vijaysinha college Peth vadgaon	T.G. Tadhar.
4	Samrudhi Jitendra Rekhar	Vijaysinha college Peth vadgaon	Samrudhi
5	Shivani Tanaji patil	Vijaysinha college Peth vadgaon	Fati.
6	Reshma Narayan Bhandari	Vijaysinha college Peth vadgaon	Reshma
7	Tejashvi Sachin Sagare	"	T.S. Sagare
8	Shrutika Babasa Jangam	"	S.Jangam
9	Tejaswini Sanjay Poware	"	Poware
10	Tejaswini Sachin Kuxme	"	Kuxme
11	Arpita Bajirao Patil	"	Patil
12	Sakshi Manoj Koli	"	Koli
13	Sanika Narendra Bhandari	"	Bhandari
14	Adhika Dhandiram Vade	"	R.D. Vade
15	Janhvi Narendra Machale	"	Machale
16	Tehjilal Tubet momin	"	Tubet
17	Babare Swati Mamsing	"	Babare
18	Mali Shivani Bhaurai	"	Shivani mali
19	Surajvarshi Kojai Mahadev	"	Kojai
20	Patil Anuja Pramod	"	A.P. Patil
21	Pooja Dipak Badade	"	P.D. Badade
22	Arpita Ravasa Raskar	"	Arpita
23	Manisha Dilip Borge	"	Manisha
24	Manuati Shinde	"	Manuati
25	Sanket G. Kattkar	"	Sanket



Shri Vijaysinha Yadav College, Peth Vadgaon, Dist. Kolhapur
And

Vivekanand College, Kolhapur (Autonomous)

Jointly Organized Expert Lectures

Under MoU

Faculty and Students Exchange Programme

Saturday, 28th May, 2022 (10.00 am to 12.30 pm)

Participants List

Sr. No.	Name of the Student	Name of the College	Signature
1.	Rajkanya J. Magdum	VCK	
2.	Avantika Sanjay more	— — —	
3.	Anuja Ashok Shinde	— — —	
4.	Rakesh m. Khillare	- II -	
5.	Ganesh Krushnat Gurav	— — —	
6.	Sumit Pawar	VCK	
7.	Sumit Rajput	VCK	
8.	Shivdatt Khude	VCK	
9.	Kohinoor S. Madhale	Vijaysinha Yadav College	
10.	Shruti S. Dhonawale	VCK	
11.	Sumit. More	— — —	
12.	Ruturaj Khodase	— — —	
13.	Dhananjay More	— — —	
14.	Pohar Waghmare	— — —	
15.	Sneha Bame	VCK	
16.	Gurupriya S. Budake	VCK	
17.	Tushar Shinde	V.C.K.	
18.	Priyadarshani Shiraji Sarhad	V.C.K.	
19.	Jayeeja Patil Kulechikar	V.C.K.	
	Head DEPARTMENT OF GEOGRAPHY VIVEKANAND COLLEGE, KOLHAPUR	Head Department of Geography Shri. Vijaysinha Yadav College Peth Vadgaon, Dist. Kolhapur.	

24. Economics: Guest Lecture under MoU



Education for Knowledge, Science & Culture
* : Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR(AUTONOMOUS)

DEPARTMENT OF ECONOMICS

Report- Guest Lecture on 'Economic Policy and Problems'

- **Day-** Saturday, 04th June 2022
- **Time-** 10.00 A.M. To 12:00P.M.
- **Organized** Jointly with Shivaji University Economics Association, Kolhapur (SUEAK)
- **Topic-** Economic Policy and Problems
- **Objective-** To know current economic policy and problems.
- **Convener-** Dr. Kailas Patil
- **No. of Students-** 53 (32Girls + 21 Boys)
- **No. of Teachers –** 11
- **Output: -**
 - ✓ Students knows the current economic policy of the central and state government and related issues.
 - ✓ Discussion was made current economic situation and its relevance with policies.


Dr. Kailas Patil
HEAD,
DEPARTMENT OF ECONOMICS
VIVEKANAND COLLEGE, KOLHAPUR



"Education for Knowledge, Science & Culture"

-Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

DEPARTMENT OF ECONOMICS

Saturday, 28 May 2022

To,
The Principal,
Vivekanand College,
Kolhapur (Autonomous).

Subject: about permission to organize guest lecture

Respected sir,

With reference to above cited subject, we are planning to organize guest lecture on topic 'Economic Policy and Problems' on Saturday, 4th June 2022 in collaboration with Shivaji University Economics Association, Kolhapur (SUEAK).

Expected expenditure for the organization of this programme is Rs. 500/-
(Rs. Five Hundred Only)

Please allow us to do this.

Thank you,

Allowed
pe
31/05/2022


(Dr. Kailas Sunil Patil)

HEAD,
DEPARTMENT OF ECONOMICS
VIVEKANAND COLLEGE, KOLHAPUR

College Recog. No. H.S.C/1074/R-1/DT : 8-8-1976
College Code No. 23-09-002
College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”
शिक्षणमंत्री डॉ. बापूजी साळुंखे

Estd. : June 1964



विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)

२१३०, ई, ताराबाई पार्क, कोल्हापूर, ता. कस्बीर, जि. कोल्हापूर - ४१६ ००३

शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत

नॅक मानांकन : 'A' (सी.जी.पी.ए. ३.२४)

कॉलेज उईथ फोर्टेनियस फॉर एक्सलन्स, यू.जी.सी., न्यू दिल्ली

स्टार कॉलेज - डी.बी.टी. - भारत सरकार

आय.एस.ओ. ९००१:२०१५



(स्वायत्त) कोल्हापूर

Phone : 0231-2658612, 2658840 Fax : 0231-2658840 Resd. : 0231-2653982 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

स्थापक बापूजी साळुंखे D. Lit.	अध्यक्ष मा. आमदार चंद्रकांत दादा पाटील MLA	कार्याध्यक्ष प्राचार्य अभयकुमार साळुंखे M.A.	सचिव प्राचार्या सौ. शुभांगी गावडे M.Sc., B.Ed.	प्राचार्य डॉ. आर. आर. कुंभार M.Sc. M.Phil. Ph.D.
-------------------------------------	--	--	--	--

वक क्रमांक वि.सी.के. / ५५२/२०२२-२३

दिनांक : ३१/५/२०२२

प्रति,
मा. डॉ. जे. एफ. पाटील
ज्येष्ठ अर्थतज्ञ,
कोल्हापूर

विषय : साधन व्यक्ती म्हणून उपस्थित राहणेबाबत....

महोदय,

वरील विषयास अनुरूप आमच्या महाविद्यालयातील अर्थशास्त्र विभाग आणि शिवाजी युनिव्हर्सिटी इकॉनॉमिक्स असोसिएशन, कोल्हापूर यांच्या संयुक्त विद्यमाने 'आर्थिक धोरण आणि प्रश्न' या विषयावर शनिवार, दिनांक ४/ ६/ २०२२ रोजी सकाळी ठीक १०.०० वाजता व्याख्यान आयोजित केले आहे. तरी सदर व्याख्यानास आपण साधन व्यक्ती म्हणून उपस्थित राहून मार्गदर्शन करावे ही विनंती.

कळावे,

आपला विश्वासू,


डॉ. आर. आर. कुंभार
प्राचार्य,
विवेकानंद कॉलेज
कोल्हापूर.

College Recog. No. H.S.C./1074/R-1/DT : 8-8-1976
College Code No. 23-09-002
College U.Dise No. 27341301006

“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”
शिक्षणहर्षी डॉ. बापूजी साळुंखे

Estd. : June 1964



विवेकानंद कॉलेज, कोल्हापूर (स्वायत्त)

२९३०, ई, ताराबाई पार्क, कोल्हापूर, ता. करवीर, जि. कोल्हापूर - ४९६ ००३

शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत

नॅक मानांकन : 'A' (सी.जी.पी.ए. ३.२४)

कॉलेज उईथ पोटेन्शियल फॉर एक्सलन्स, यु.जी.सी., न्यु दिल्ली

स्टार कॉलेज - डी.बी.टी. - भारत सरकार

आय.एस.ओ. ९००१:२०१५



Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resd. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

स्थापक डॉ. बापूजी साळुंखे D. Lit.	अध्यक्ष मा. आमदार चंद्रकांत दादा पाटील MLA	कायाध्यक्ष प्राचार्य अभयकुमार साळुंखे M.A.	सचिव प्राचार्या सौ. शुभांगी गावडे M.Sc., B.Ed.	प्राचार्य डॉ. आर. आर. कुंभार M.Sc. M.Phil. Ph.D.
---	--	--	--	--

पत्र क्रमांक व्हि.सी.के. / 452/2022-23

दिनांक : 31/5/2022

प्रति,
मा. डॉ. राहुल म्होप्रे
अध्यक्ष,
शिवाजी युनिव्हर्सिटी इकॉनॉमिक्स असोसिएशन,
कोल्हापूर

विषय : व्याखानास उपस्थित राहणेबाबत....

महोदय,

वरील विषयास अनुसरून आमच्या महाविद्यालयातील अर्थशास्त्र विभाग आणि शिवाजी युनिव्हर्सिटी इकॉनॉमिक्स असोसिएशन, कोल्हापूर यांच्या संयुक्त विद्यमाने 'आर्थिक धोरण आणि प्रश्न' या विषयावर शनिवार, दिनांक 4/ 6/ 2022 रोजी सकाळी ठीक 10 .00 वाजता व्याख्यान आयोजित केले आहे. तरी सदर व्याख्यान आपण उपस्थित रहावे ही विनंती.

कळावे,

आपला विश्वासू,

डॉ. आर. आर. कुंभार

प्राचार्य,
विवेकानंद कॉलेज,
कोल्हापूर.

Jr. College Recog. No. H.S.C./1074/R-1/DT : B-8-1976
Jr. College Grade No. 23-09-002

“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”
शिक्षणपहरी डॉ. बापूजी साळुंखे

Estd : June 1964



विवेकानंद कॉलेज, कोल्हापूर

२१३०, 'ई' ताराबाई पार्क, कोल्हापूर, जि. कोल्हापूर - ४१६ ००३

शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत

वेब साईट : "A" (सी.सी.टी.ए. ३.३४) दि. १२-०१-१६ (वित्तमि. के.टी.)

कॉलेज लाईस कोल्हापूर कॉलेज एकेडमिस्ट्रि यु.पी.सी.

इतर कॉलेज - सी.बी.टी. शाळा सरकारी



एन्.आय.आर.एफ. रँकींग - शिवाजी विद्यापीठात प्रथम, महाराष्ट्रात ५ वा व भारतात ५८ वा क्रमांक

Ph : 0231-2658612, 2658840 Fax : 0231-2658840 Resl : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

संस्थापक डॉ. बापूजी साळुंखे D. LIL	अध्यक्ष मा. ना. चंद्रकांत दादा पाटील महान, मठा व पुस्तक, सार्वजनिक बांधकाम मंत्री, (सार्वजनिक उपकरणे) महाराष्ट्र राज्य	कार्याध्यक्ष प्राचार्य अभयकुमार साळुंखे M.A	सचिव प्राचार्य सौ. शुभांगी गावडे M.Sc., B.Ed	प्राचार्य डॉ. अरविंद्र शिवाजी आर्. कुंभार M.A.M.Sc., M.Phil., P.K.D.
--	---	---	--	--

नायक क्रमांक व्हि.सी.के./

दिनांक :

प्रति,

मा. डॉ. अनिल बावरे

माजी अध्यक्ष,

शिवाजी युनिव्हर्सिटी इकॉनॉमिक्स असोसिएशन,

कोल्हापूर

विषय : व्याख्यानास उपस्थित राहिलेबाबत

महोदय,

बरील विषयास अनुसरून आमच्या महाविद्यालयातील अर्थशास्त्र विभाग आणि शिवाजी युनिव्हर्सिटी इकॉनॉमिक्स असोसिएशन, कोल्हापूर यांच्या संयुक्त विद्यमाने 'आर्थिक धोरण आणि प्रश्न' या विषयावर शनिवार, दिनांक ४/ ६/ २०२२ रोजी सकाळी ठीक १०.०० वाजता आयोजित केलेल्या व्याख्यानास आपण उपस्थित राहिलात त्याबद्दल महाविद्यालय आपले आभारी आहे.

धन्यवाद !

आपला विश्वासू,

(डॉ. आर. आर. कुंभार)

प्राचार्य

विवेकानंद कॉलेज

कोल्हापूर.



“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”
शिक्षणमहर्षी डॉ. बापूजी साळुंखे
श्री स्वामी विवेकानंद शिक्षण संस्थेचे

विवेकानंद कॉलेज, कोल्हापूर

२१३०, 'ई' साराबाई पार्क, कोल्हापूर, जि. कोल्हापूर - ४१६ ००३

शिवाजी विद्यापीठ, कोल्हापूर संलग्नीत

वेब साइट : "A" (सी.सी.टी. ३ २४) दि. १२-०१-१६ (मिस्त्री केसी)

कॉलेज अर्बन कोम्युनिकेशन कॉरिडोर एकराज्यात यु.सी.सी.

कटार कॉलेज - सी.सी.टी. - धारवाड संस्थेत

एन्.आय.आर.एफ. रेकॉर्ड - शिवाजी विद्यापीठात धारवाड, महाराष्ट्रात ५ वा व भारतात ५८ वा क्रमांक

Ph : 0231-2658612, 2658840 Fax : 0231-2658840 Resi. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

संस्थापक डॉ. बापूजी साळुंखे D.Lit.	अध्यक्ष मा. मा. चंद्रकांत दादा पाटील महान, महा व पुर्वसंग, साहित्यिक भाषा मरी, (साहित्यिक उपक्रम साळुंखे) महाराष्ट्र राज्य	कार्याध्यक्ष प्राचार्य अभयकुमार साळुंखे M.A.	सचिव प्राचार्य सी. शुभांगी गावडे M.Sc., B.Ed.	प्राचार्य प्राचार्य डॉ. प्रम. डोरे कुंभार M.A., M.Ed., Ph.D., M.Phil., Ph.D.
--	---	--	---	---

जाचक क्रमांक दि.सी.के./

दिनांक :

प्रति,
मा. डॉ. संजय धोडे
कार्यवाहक,
शिवाजी युनिव्हर्सिटी इकॉनॉमिक्स असोसिएशन,
कोल्हापूर


विषय : व्याख्यानास उपस्थित राहिलेबाबत

महोदय,

वरील विषयास अनुसरून आमच्या महाविद्यालयातील अर्थशास्त्र विभाग आणि शिवाजी युनिव्हर्सिटी इकॉनॉमिक्स असोसिएशन, कोल्हापूर यांच्या संयुक्त विद्यमाने 'आर्थिक धोरण आणि प्रश्न' या विषयावर शनिवार, दिनांक ४/ ६/ २०२२ रोजी सकाळी ठीक १०.०० वाजता आयोजित केलेल्या व्याख्यानास आपण उपस्थित राहिलात त्याबद्दल महाविद्यालय आपले आभारी आहे.

कळावे,

आपला विश्वासू,


(डॉ. आर. आर. कुंभार)
प्राचार्य
विवेकानंद कॉलेज
कोल्हापूर.

Jr. College Recog. No. 23-09-002
Jr. College Code No. 27341301006
Jr. College U.Dise No. 27341301006

श्री स्वामी विवेकानंद शिक्शन संस्था
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)
2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416003
Affiliated to Shivaji University, Kolhapur (M.S.)
NAAC Reaccredited : "A" (EGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015

Estd. : June 1964

Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resl. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

Founder
Dr. Bapuji Salunkhe
D. Litt.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. R. R. Kumbhar
M.Sc. M.Phil. Ph.D.

Ref. No. VCK/ 478/2022-23

Date : 4/6/2022

आभार पत्र

प्रति,
मा. डॉ. जे. एफ. पाटील
ज्येष्ठ अर्थतज्ञ,
कोल्हापूर

महोदय,

या महाविद्यालयातील अर्थशास्त्र विभाग आणि शिवाजी युनिव्हर्सिटी इकॉनॉमिक्स असोसिएशन, कोल्हापूर यांच्या संयुक्त विद्यमाने 'आर्थिक धोरण आणि प्रश्न' या विषयावर शनिवार, दिनांक ४/६/२०२२ रोजी सकाळी ठीक १०.०० वाजता आयोजित व्याख्यानास आपण साधन व्यक्ती म्हणून उपस्थित राहून मार्गदर्शन केले. आपण केलेल्या मार्गदर्शनाचा आणि ज्ञानाचा आमच्या महाविद्यालयातील सर्वच घटकांना नक्कीच फायदा होईल. त्याबद्दल महाविद्यालय आपले आभारी आहे.

यापुढील काळातही आपले अमूल्य मार्गदर्शन आणि सहकार्य आम्हाला मिळेल ही अपेक्षा.

धन्यवाद !

आपला विश्वासू,


डॉ. आर. आर. कुंभार
प्राचार्य
विवेकानंद कॉलेज
कोल्हापूर



"Education for Knowledge, Science, and Culture"
Shikshanmaharshi Dr. Bapuji Safookhe
Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
(Autonomous)



Guest lecture on Economic Policy and Problems

Organized by




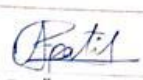

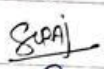


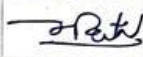

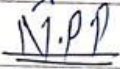




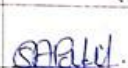
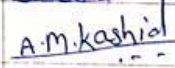
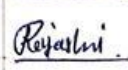
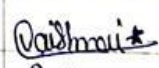


Departments of Economics

In Collaboration with

Shivaji University Economic Association, Kolhapur (SUEA)
(SUEA Lecture Series - Lecture No. 5)

ATTENDANCE

Sr. No	Name of the Student	Class	Signature
①	Tawade Gayatri Anil	B.A III	<u>Tawade</u>
②	Valkunje Sakshi Vilas	B.A III	<u>Chule</u>
③	Koli shreyash Pandurang	B.A III	<u>Koli</u>
④	Girigosavi Swapnil Pandurang	B.A III	<u>Sw</u>
⑤	Omkar Vikas Jagdale	B.A III	<u>Al</u>
⑥	Akash Suresh Misal	B.A III	<u>AS Misal</u>
⑦	Aditya Manvendra Waskar	B.A II	<u>AWaskar</u>
⑧	Vishwajeet. M. Ghatage	B.A II	<u>VGhatage</u>
⑨	Shridhar Krishnat Ambi	B.A II	<u>See</u>
⑩	Ramdas Krishnat Kamble	B.A II	<u>Ran</u>
⑪	Aditya Dipak Kolap	B.A II	<u>Dkolap</u>

Sr. No	Name of the Student	Class	Signature
12)	Pranav Pradip Dalvi	BA II	
13)	Ravinolra shinde	B.A II	
14)	Saunabh Somnath thatkare	B.A I	S.S.T
15)	Sankesh Patil.	B.A. III	
16)	Aniket Pandurang Patil	B.A. I	
17)	Pankaj Pandurang Patil	B.A. III	
18)	Suraj Mahadev Dalave	B.A. III	
19)	Pavan Vaivekar	BA. III	
20)	Sai Naikwade	BA-III	
21)	Amesh Appaso patil	B.A I	
22)	Hanesh vday Katekar	B.A. I	
23)	Nikhil Prakash Patil	B.A I	
24)	Apurva Parjarao Khandekar	B.A. III	
25)	Azeji Ashim Bangir	B.A. III	
26)	Shravani Vitthal Halijwale	BA-III	
27)	Rutuja Sodashiv Patil	BA-III	
28)	Sayali Arjun Patil	B.A. III	
29)	Ankita Mahadev Kashid	B.A. III	
30)	Rajashri Bajirao Patil	B.A. I	
31)	Vaishnavi Kondiram Dhanger	B.A. I	
32)	Vaishali Suresh Lohar	B.A. III	
33)	Naik Megha Dinkar	B.A. III	

Colloids and Surfaces A: Physicochemical and Engineering Aspects 657 (2023) 130561



Contents lists available at ScienceDirect

Colloids and Surfaces A: Physicochemical and
Engineering Aspectsjournal homepage: www.elsevier.com/locate/colsurfa

Facile approach to fabricate a high-performance superhydrophobic PS/OTS modified SS mesh for oil-water separation

Rajaram S. Sutar^a, Sanjay S. Latthe^{b,*}, Nilam B. Gharge^a, Pradip P. Gaikwad^a,
Akshay R. Jundale^a, Sagar S. Ingole^a, Rutuja A. Ekunde^a, Saravanan Nagappan^c,
Kang Hyun Park^c, Appasaheb K. Bhosale^a, Shanhu Liu^{d,*}

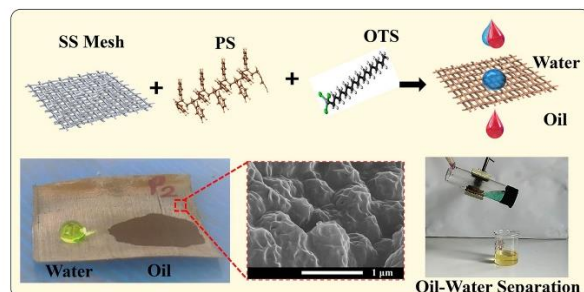
^a Self-Cleaning Research Laboratory, Department of Physics, Raje Ramrao College, Jath, Dist: Sangli – 416404, (Affiliated to Shivaji University, Kolhapur), Maharashtra, India

^b Self-cleaning Research Laboratory, Department of Physics, Vivekanand College, Kolhapur (Autonomous) – 416 003, (Affiliated to Shivaji University Kolhapur), Maharashtra, India

^c Department of Chemistry, Chemistry Institute for Functional Materials, Pusan National University, Busandaehak-ro 63 beon-gil, Geumjeong-Gu, Busan 46241, Republic of Korea

^d Henan Key Laboratory of Polyoxometalate Chemistry, Henan Joint International Research Laboratory of Environmental Pollution Control Materials, College of Chemistry and Chemical Engineering, Henan University, Kaifeng 475004, PR China

GRAPHICAL ABSTRACT



ARTICLE INFO

Keywords:

Oil-water separation
Stainless steel mesh
Superhydrophobic
Superoleophilic

ABSTRACT

Special wetting materials have been used for the oil and water separation due to their different interfacial attraction of oil and water. Herein, we successfully fabricated superhydrophobic coatings on stainless steel (SS) mesh by depositing successive layers of polystyrene (PS) and octadecyltrichlorosilane (OTS) through the dip-coating method. The as-prepared coating showed a water contact angle (WCA) of $157.5 \pm 2^\circ$, a rolling angle of $6 \pm 2^\circ$ and an oil contact angle (OCA) of around 0° . The surface microstructure analysis of the coating revealed a regular pattern of microscale bumps with nanoscale folds on it, both of which improve the overall superhydrophobicity of the surface. The capacity of coatings to separate oil and water was examined by

* Corresponding authors.

E-mail addresses: latthes@gmail.com (S.S. Latthe), liushanhu@vip.henu.edu.cn (S. Liu).

<https://doi.org/10.1016/j.colsurfa.2022.130561>

Received 12 September 2022; Received in revised form 26 October 2022; Accepted 10 November 2022

Available online 14 November 2022

0927-7757/© 2022 Elsevier B.V. All rights reserved.

employing a variety of mixtures of oil and water, including petrol, diesel, kerosene, vegetable oil, and coconut oil. In case of low viscosity oil, the coated mesh demonstrated separation effectiveness of more than 97% and on the other hand, high viscosity oil demonstrated just 89% efficiency. Low viscosity oils showed a greater permeation flux through the mesh than extremely viscous oil. The mechanical strength of the coating was examined using bending, twisting, adhesive tape testing, sandpaper abrasion tests, and the findings indicated that coated mesh had exceptional mechanical resilience. In addition, the developed superhydrophobic mesh demonstrated excellent thermal stability and self-cleaning properties. Therefore, this superhydrophobic/superoleophilic mesh has a significant deal of application potential in practical.

1. Introduction

Oil spills and industrial effluents inflict significant harm to the eco-systems of the seas, human health, and the surrounding environment [1, 2]. The safe and responsible disposal of wastewater containing oil has been shown to be a challenging problem on a global scale. Many approaches have been used for the treatment of oil-water pollution, including oil skimmers, filtration, oil-absorbing materials, magnetic separations, centrifugal machine, flotation technologies, and combustion [3–5]. Traditional methods have various drawbacks, including limited separation efficiency, time consumption, cost-effectiveness, and the generation of secondary pollutants [6–8]. Therefore, cutting-edge technologies are an absolute necessity for the disposal of oily wastewater and the protection of the environment. Many efforts have been reported in the fabrication of separation membranes with controlled surface wetting property [9,10]. The utilization of bio-inspired superhydrophobic materials in oil-water separation processes is a popular area of study due to its high water repellency and ability to allow oil to enter in it [4,11,12]. Therefore, superhydrophobic materials have been added to commercially available cotton textiles, 3D porous materials, different polymer membranes, filter papers, and metal meshes for considerable oil-water separation [13,14]. Chemical etching [15,16], spray deposition [17,18], dip coating [19], hydrothermal method [20], sol-gel processing [21,22], chemical vapor deposition [23], electrospinning [24,25], and layer by layer [26] methods have been used for modification of porous surfaces. Among these, dip-coating is a quick and effective method of producing bulky, intricately formed products [27]. Metal meshes have sparked a lot of attention since they are long-lasting, reusable, and may be used in industry [2,23]. Porous materials can absorb or filter liquids, and when their surface structure is adjusted with a specific wettability material, they can help separate oil or water from oil-water mixtures [28,29]. Numerous types of porous metal meshes, including those constructed of nickel, copper, and stainless steel (SS), among other materials were used for oil-water separation [30–33]. Among them, SS meshes have found widespread use for oil-water separation owing to their high electrical and electrothermal capabilities as well as their superior resistance to thermal shock [33].

OTS has been used to tune the surface wettability of porous substrates so that oil and water can be effectively separated. The OTS has low surface energy, hence it improves the hydrophobicity of the rough surface and also shows high oil absorption capacity [35,36]. Li et al. [34] recently made superhydrophobic SS mesh by spraying it with a mixture of OTS-modified SiO₂ nanoparticles and waterborne PU. This superhydrophobic mesh was able to separate a mixture of kerosene and water at a rate of 98.3%. Latthe et al. [27] created a superhydrophobic surface by varying the concentration of OTS in PS solution and the number of dipping cycles. At first, they prepared a homogenous solution containing PS and OTS using tetrahydrofuran (THF) as a solvent. The pre-cleaned glass substrate was dip-coated (4 times) on the homogenous solution and air-dried to get a superhydrophobic surface with a contact angle of $154 \pm 2^\circ$. Ke et al. [37] have built a superhydrophobic and superoleophilic sponge by immersing it in OTS solution. This kind of sponge has shown an absorption capacity of 42–68 times more than the mass of the sponge for toluene, light oil, and methyl silicone oil. Even after being put through 50 separation cycles, this adsorption capacity

remained the same. Liang et al. [38] modified a polyurethane sponge by immersing in an OTS solution for oil-water separation. Cheng et al. [24] used coaxial electrospinning with PVDF solution as a lumen solution and reactive silicon-containing monomers as the outer solution to generate superhydrophobic nanofiber membranes with hierarchical micro nano-scale morphology. The outstanding separation efficiency of 99.6% is achieved with the as-prepared asymmetric composite membrane, which has an extremely rapid permeation flux. They show a water-in-n-octane permeation flux of 17331 L/(m²h) and retain 88% of their original permeance after 20 cycles of operation [24]. Rasouli et al. [13] briefly reviewed the various aspects of fabrication of superhydrophobic/superoleophilic membranes having mesh, films, and porous substrates for efficient oil-water separation applications. In order to modify the surface energy of superhydrophobic/superoleophilic membranes, it is usual practice to use low surface energy chemicals such as fatty acids, thiols, silanes, polymers based on polyethylene, and carbon nanotubes [13]. These membranes have > 99% oil separation efficiency in oil-water combinations.

In this research work, a layer of PS was first applied on SS mesh using a dip coating process, followed by an OTS dip layer to achieve superhydrophobicity. The dip coating cycles were consequently carried out by dip and dry in both PS in THF and OTS in hexane. The surface structure of a red rose petal was obtained on SS mesh. SEM and EDS were used to describe the surface morphology and chemical composition, respectively. The gravity-driven oil-water separation technique was used to determine the oil-water separation efficiency and permeation flux using a custom-made setup. The mechanical durability of superhydrophobic mesh was evaluated using adhesive tape tests, sandpaper abrasion tests, bending, twisting, and folding tests. We have achieved the contact angles of $157.5 \pm 2^\circ$ for OPS-2 as well as $154 \pm 2^\circ$ for OPS-3 in superhydrophobic range and a comparable contact angle of $148.5 \pm 2^\circ$ for OPS-1. The stable and robust self-cleaning coating was produced by this method as compared with the reported methods.

2. Experimental section

2.1. Materials

Polystyrene (PS) having average molecular weight ~ 280,000 and octadecyltrichlorosilane (OTS) were obtained from Sigma Aldrich, St. Louis, MO, USA. Tetrahydrofuran (THF) and hexane were purchased from Spectrochem, Mumbai, India. Stainless steel (SS) mesh with pore sizes of about 50 μ m was obtained from Shanghai Titan Technology Co. Ltd. China. The petrol, diesel, kerosene (from Bharat Petroleum Corporation Limited, India), vegetable oil (from Garud, India), and coconut oil (from Parachute Advanced, India) were purchased.

2.2. Preparation of superhydrophobic mesh

In the beginning, 0.4 g of PS was dissolved into 16 mL of THF under vigorous stirring. Simultaneously, a 0.8 mL OTS was diluted in 16 mL hexane by stirring for 30 mins in a separate beaker. Prior to use, SS mesh was cut into squares of 2 cm \times 2 cm and then ultrasonically cleaned in ethanol and purified water. At first, the cleaned mesh was submerged in PS solution for 1 min, after which it was pulled out at a speed of around

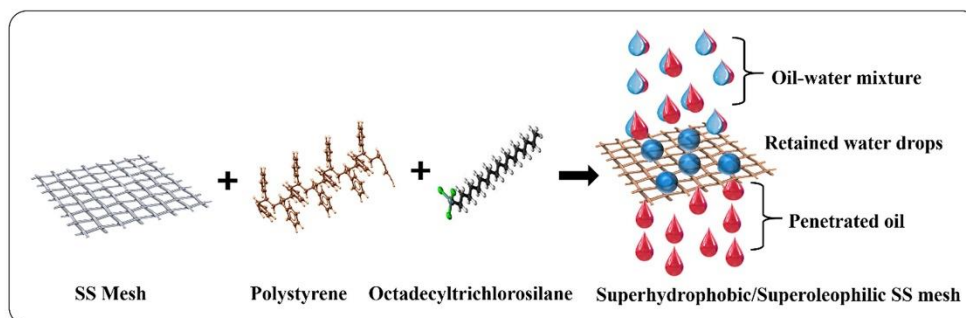


Fig. 1. Schematic of preparation of superhydrophobic SS mesh.

100 mm s⁻¹. The PS-coated mesh was first allowed to dry at room temperature, then dipped for 1 min in a beaker that had a solution of OTS in hexane, after which it was taken out, and finally allowed to dry at room temperature. An alternate PS and OTS coatings were applied back-to-back ten times. Finally, all solvents were evaporated during the course of a 1 h drying period at 100 °C. As a result, the amount of OTS used in this coating procedure was changed from 1.6 to 2.4 mL. OPS-1, OPS-2, and OPS-3 signify 0.8, 1.6, and 2.4 mL of OTS coated SS mesh, respectively. Fig. 1 depicts the creation of a superhydrophobic mesh.

2.3. Characterizations

The surface morphology of the produced coatings was investigated using Scanning Electron Microscopy (SEM, JEOL, JSM-7610 F, Tokyo, Japan). Chemical examination of the coating was carried out using Energy Dispersive Spectroscopy (EDS, Hitachi, Ltd., Tokyo, Japan) in order to determine the elemental percentage of the coating. Fourier-transform infrared spectroscopy (FTIR, Magna-IR 560, Nicolet) was used to analyse the chemical composition of the samples. Contact Angle Meter (HO-IAD-CAM-01, Holmarc Opto-Mechatronics Pvt. Ltd., Kochi, India) was used to measure the water/oil contact angle and slide angle of prepared coatings. Using a micro-syringe of the contact angle meter

~10 µL sized water droplet was placed on the coated mesh. The value of water contact angles and sliding angles were measured at five different places of coated mesh and reported an average value of them. The capacity of superhydrophobic mesh to separate oil from water was tested using a custom-made oil-water separation apparatus. In the middle of the bottle cap, a hole with a diameter of 2 cm was drilled using a drill and the superhydrophobic OPS-2 mesh was then bonded inside the bottle cap over the circular hole using glue. The bottom of the bottle was cut off and then clamped at an angle that was roughly 45°. In a typical experiment, the oil-water combination was made by adding 10 mL of water into 10 mL of oil. The different type of oils including petrol, diesel, kerosene, coconut and vegetable oil were used to produce oil-water mixture. Mechanical durability of superhydrophobic mesh was evaluated using bending, twisting, adhesive tape testing, and sandpaper abrasion. In order to execute the adhesive tape peeling test, tape with a 4 N/m adhesive strength was affixed on superhydrophobic OPS-2 mesh and eventually peeled off. In order to determine the level of mechanical strength possessed by superhydrophobic mesh, OPS-2 mesh was laid out on sandpaper (grit no. 320), a metal disc weighing 100 g was put on top of the mesh, and the mesh was pulled for 5 cm to complete one abrasion cycle. The thermal stability of the produced superhydrophobic OPS-2 mesh was evaluated by heating it for 1 h in a hot air oven at 150 °C

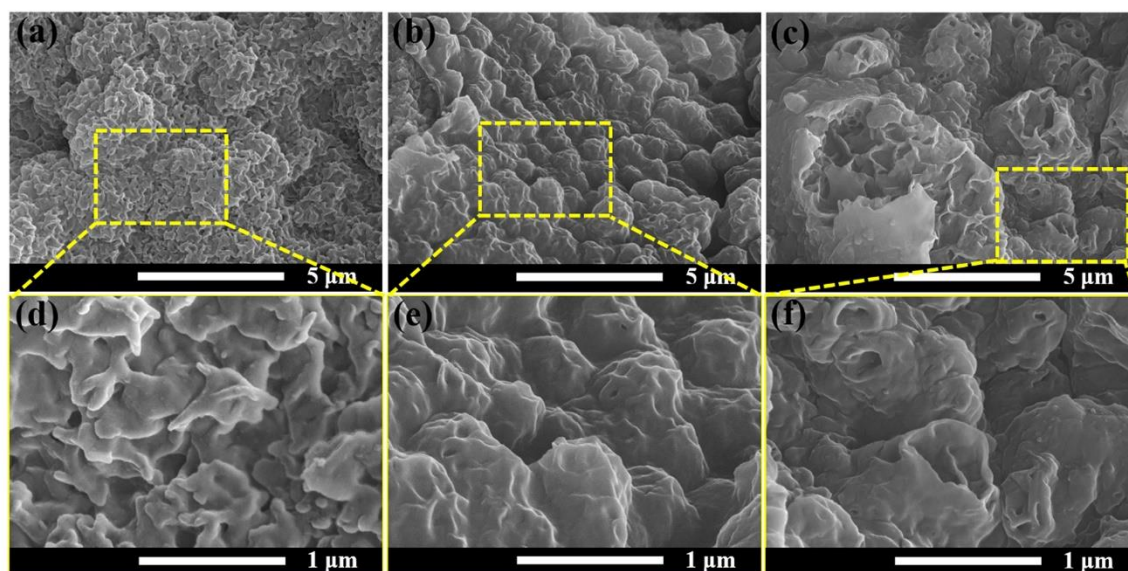


Fig. 2. SEM images of OPS-1, OPS-2, and OPS-3 mesh at (a-c) low and (d-f) high magnifications, respectively.

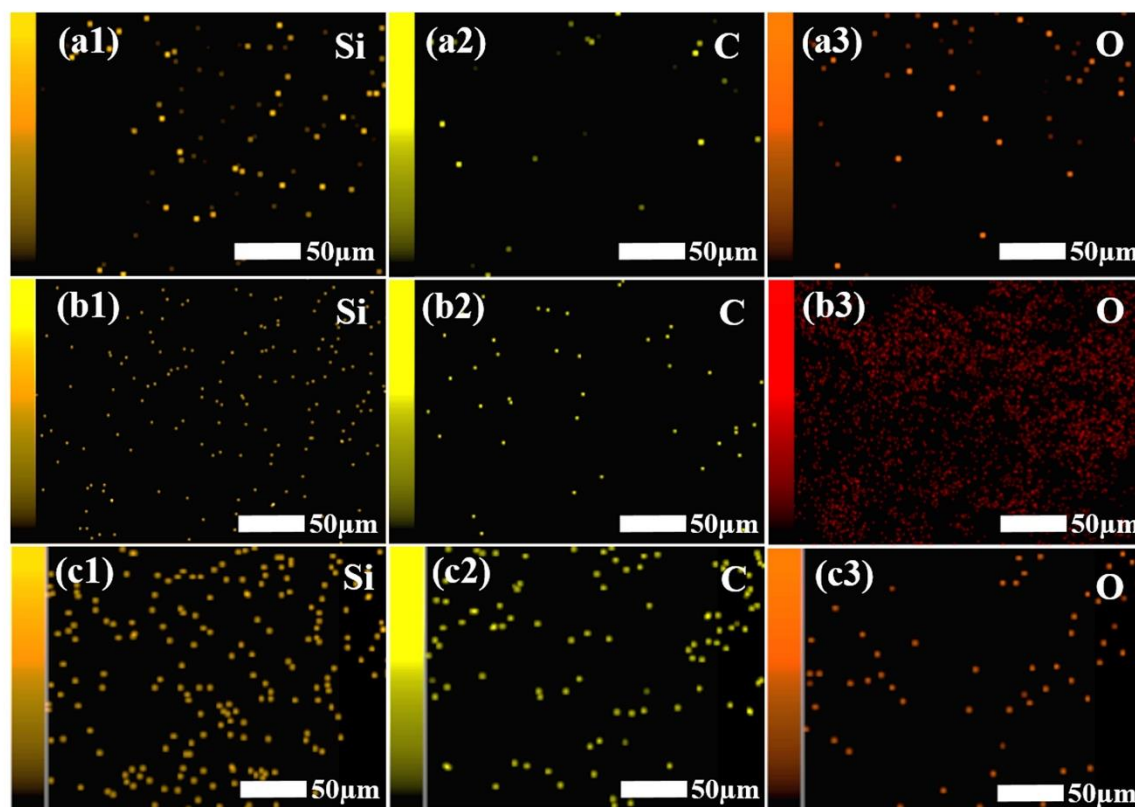


Fig. 3. EDS mapping images of OPS-1 (a1-a3), OPS-2 (b1-b3) and OPS-3 (c1-c3) mesh.

and 200 °C. The self-cleaning ability of superhydrophobic OPS-2 mesh was investigated by the muddy water, fine particles of ash and wood charcoal as dust containments. The muddy water was produced by combining 5 g of tiny dirt particles with 20 mL of the water and then dumping the mixture onto an angled superhydrophobic mesh. The dispersion of ash in water was prepared by adding 5 g of ash in the 20 mL of water and mixed well by glass rod. The superhydrophobic OPS-2 mesh was immersed into it. The fine particles of wood charcoal dispersed on inclined superhydrophobic OPS-2 mesh and water jet dropped on it.

3. Results and discussion

3.1. Surface morphology and chemical composition

Fig. 2(a-f) depicts the surface morphology of meshes after being treated with varying doses of OTS. At low OTS concentrations, ten successive coating layers of PS and OTS create a rougher surface with nanoscale folds, as seen in Fig. 2(a). The enlarged view shows that there is a regular micro and nanoscale rough texture, which is essential for improving hydrophobicity and can be observed in Fig. 2(d). Surprisingly, regular shaped bumps emerged after raising the OTS concentration by twofold, as illustrated in Fig. 2(b). These regular-shaped bumps seem to be a regular arrangement of micropapillae on a red rose petal. Fig. 2(e) illustrates how each bump has a few nanoscale folds on its top surface. As a consequence of these microscaled bumps and nanoscaled folds on top of bumps, the superhydrophobicity of the surface might have increased. As the concentration of OTS was raised three times,

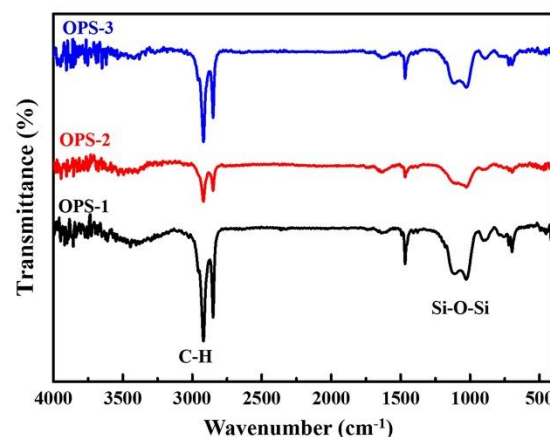


Fig. 4. FTIR spectra of prepared OPS-1, OPS-2 and OPS-3 mesh.

larger bumps developed, which were broken following heat treatment due to solvent evaporation (see Fig. 2c). The greater the size of the bumps, the more they affect the surface's roughness and wettability (Fig. 2f). The difference in the surface structure may be due to the formation of an aggregate particles by the deposition PS particles on SS mesh. This can produce a hierarchical rough surface morphology which

Table 1
Elemental ratio of C, O, and Si occurred in the prepared superhydrophobic coating.

Sample	Si -K		C-K		O-K	
	Mass%	Atom%	Mass%	Atom%	Mass%	Atom%
OPS-1	2.28	1.29	5.97	7.87	91.75	90.84
OPS-2	6.43	3.65	9.48	12.58	84.09	83.77
OPS-3	16.35	9.65	10.68	14.74	72.97	75.61

further attracted together by following OTS coating on the surface. OTS can form a thin hydrophobic layer on the surface of PS particles. The subsequent hydrolysis and condensation of OTS plays an important role in the surface morphology. The formation nanosheets after hydrolysis and condensation of OTS was reported earlier [27,39]. The formation of Si-O-Si bonds were also confirmed from FT-IR studies which supports the hydrolysis and condensation of OTS (Fig. 4). The SS mesh substrate can produce a rough surface morphology by applying consecutive dip-coating cycles for 10 times. The surface morphology can further produce a layered structure by increasing the coating cycles. The SEM images clearly depicts that, based on the dip coating cycles, the surface morphology can be tuned from regular micro and nanoscale rough texture to layered larger bumps due to formation of more curvy OTS nanosheets on the PS coated mesh.

EDS spectra was used for chemical investigation of the coating. In the EDS spectra three elements are detected such as carbon (C), oxygen (O), and silicon (Si) as shown in Fig.S1. The mass and atomic percentages of the elements C, O, and Si that were present in the coating are detailed in Table 1. A higher proportion of C was produced as a result of the presence of polystyrene as well as the alkyl chain in OTS. The Si is attributed to OTS. The presence of C and Si implies that the coating material covers the mesh surface consistently. Fig. 3 illustrate that the elemental mapping images of coatings. The uniform distribution of Si, C, and O element at coating surface were seen in the elemental mapping images of OPS-1, OPS-2 and OPS-3 coating, implying the PS and OTS layers homogeneously deposited on mesh.

To confirm the bonding between PS and OTS on coating surface the

FTIR analysis was carried out. As shown in Fig. 4, the FTIR spectra of OPS-1, OPS-2 and OPS-3 coated mesh has the strong two peaks at 2922 cm^{-1} and 2852 cm^{-1} are attributed to C-H asymmetric stretching vibrations and symmetric stretching vibrations, respectively indicating that presence of alkyl group of OTS chain. The peaks at 1051 cm^{-1} and 796 cm^{-1} are indicating that existence of Si-O-Si asymmetric and symmetric stretching vibration, respectively. The existence of Si, C and O along with C-H and Si-O-Si bonding concludes that the PS and OTS made strong bonding in between and uniformly presence on the coating surface.

3.2. Wettability of coated mesh

Water and oil contact angle measurements were used to assess the wetting behaviour of coated meshes. The coated mesh demonstrated simultaneously superhydrophobic and superoleophilic and qualities as a result of its dual scale roughness in addition to its low surface energy OTS. The oil-water separation application of mesh requires both the superhydrophobic and the superoleophilic characteristics in order to be successful [40]. The relationship between surface roughness factor and surface wettability can be explained by Cassie-Baxter equation is written out as following form:

$$\cos \theta^* = f_1 (\cos \theta + 1) - 1 \quad (1)$$

where, θ^* and θ are the apparent contact angle of a water droplet on a rough surface and a perfectly flat surface, respectively. f_1 is the fraction of solid substrate that comes into contact with the liquid. In this study, the WCA of uncoated mesh (θ) and superhydrophobic OPS-2 mesh (θ^*) were 84° and 157.5° , respectively. The WCA's were measured immediately after placing water drops on uncoated and superhydrophobic OPS-2 mesh. Using the above equation, the calculated value of f_1 is 0.06890. This implying that only 6.89% of the surface area was in direct contact with the water and 93.11% of the rough surface area was covered with the air. In the presence of a low concentration of OTS, the ten successive depositions of layer of PS and OTS revealed a WCA of $148.5 \pm 2^\circ$ (OPS-1). The WCA reached its maximum value of $157.5 \pm 2^\circ$

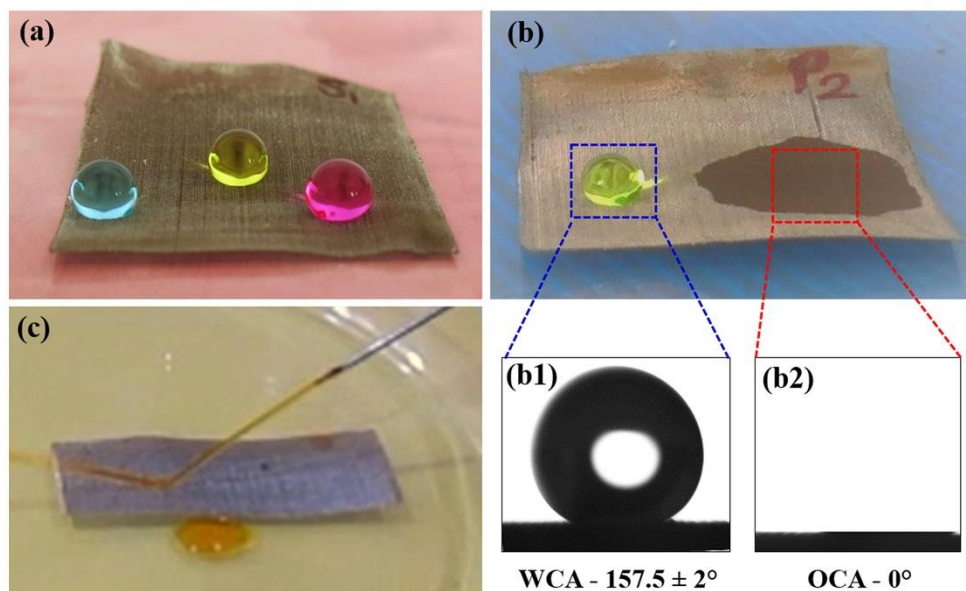


Fig. 5. (a) Colour water drops on OPS-2 mesh, (b) water and oil drop on OPS-2 mesh, (b1 and b2) digital image of water and oil on OPS-2 mesh, respectively, and (c) water jet impact test on OPS-2 mesh.

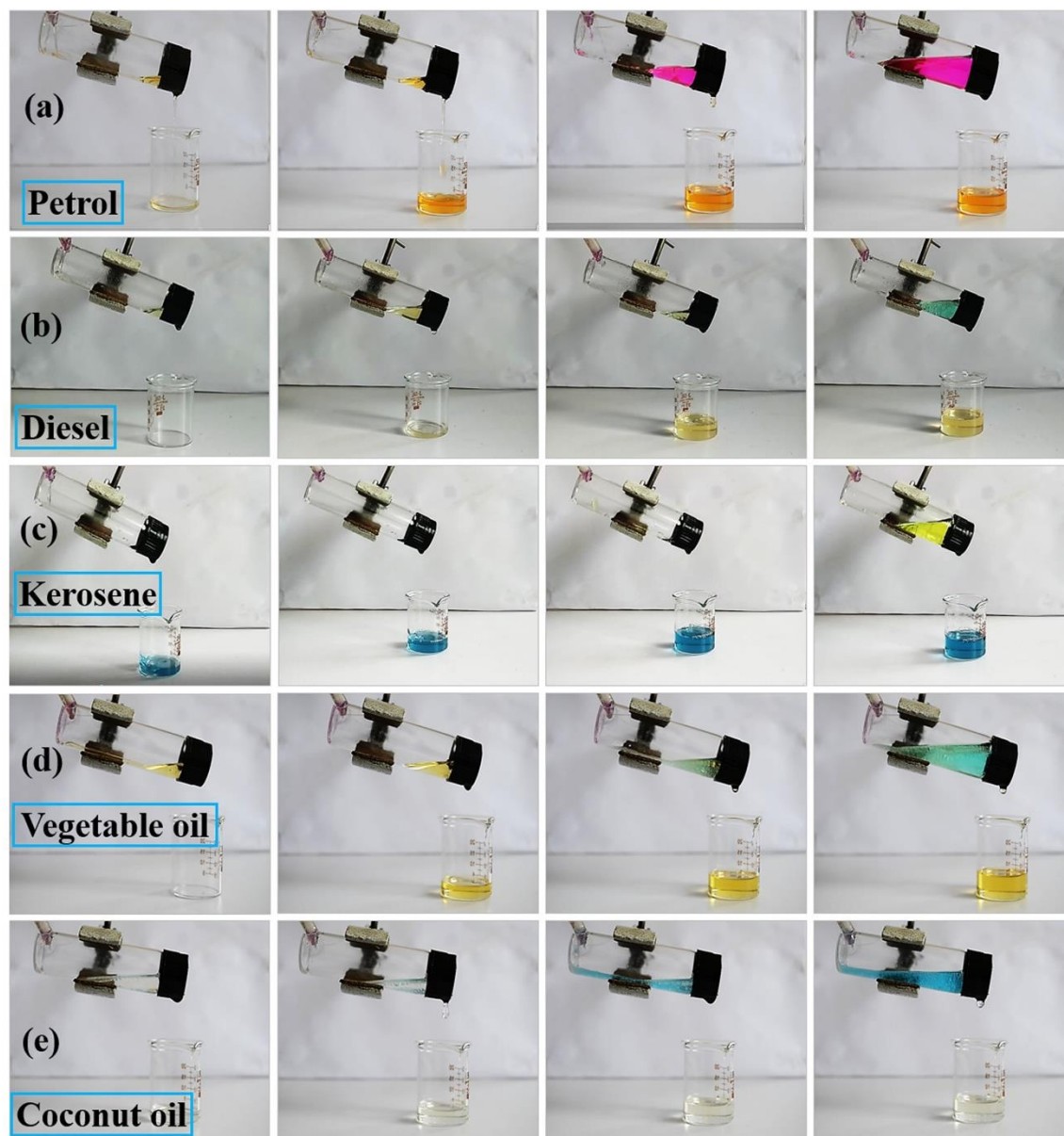


Fig. 6. The few screen snaps of oil-water separation process by OPS-2 mesh (a) petrol, (b) diesel, (c) kerosene, (d) vegetable and (e) coconut oil.

with sliding angle of $6 \pm 2^\circ$ (OPS-2) as the concentration of OTS rose in successive layered depositions of PS and OTS. The top of the surface has microscale bumps and nanoscale folds, which combine to generate hierarchical dual scale roughness. This dual scale roughness allows an air layer to get trapped, which in turn increases water repulsion. The colourful water droplets on the superhydrophobic OPS-2 mesh were visible in Fig. 5(a). When the concentration of OTS was increased later, the size of the bumps became larger, and the bumps fragmented after heat treatment. The broken bumps had an effect on the surface structure, and as a result, the WCA was reduced to $154 \pm 2^\circ$ (OPS-3). The OCA was also measured for the prepared coatings, and almost all of them revealed

roughly 0° of OCA. A ball-like form was achieved by the drop of water, but the drop of oil entirely soaked up moisture from the OPS-2 mesh surface (Fig. 5b). The digital picture graphs of a water drop and an oil drop on OPS-2 mesh are presented in Fig. 5 (b1) and (b2), respectively. The effect of a water jet impact on OPS-2 mesh was used to test the wetting stability of the coating (Fig. 5c). The water jet was generated by a syringe with a capacity of 10 mL, and it constantly struck a pre-determined location on the coating. The hit jet moved in the opposite direction from the place of impact once it had been disrupted. The coating passed the water jet impact test, which proves that it can withstand being repeatedly impacted by water. As a result, a

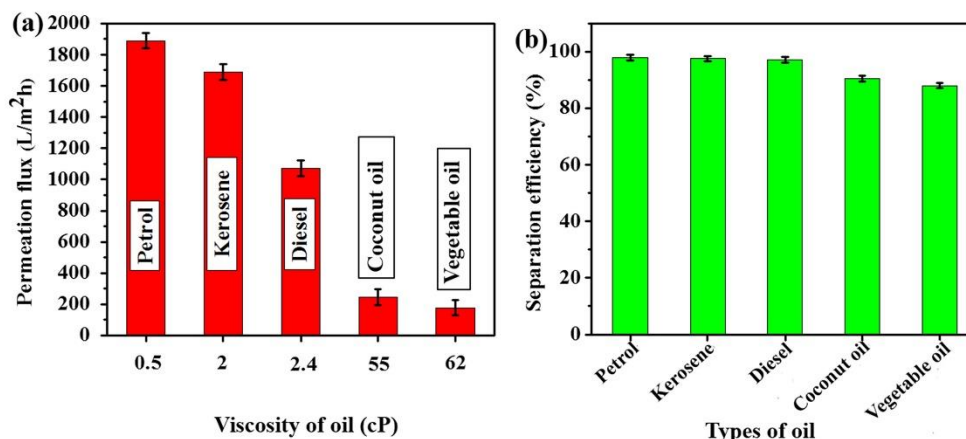


Fig. 7. (a) Permeation flux and (b) separation efficiency of OPS-2 mesh for different kind of oil-water mixture.

Table 2

Comparison between present work and previous reported literature.

Materials	Substrate	Separation efficiency (%)	Permeation Flux L/ (m ² h)	Ref.
NaOH/APS - PDMS	Copper mesh	98.89	11	[31]
APT nanorods and OTMS	SS mesh	99.4	106.7	[41]
Perfluorooctyltriethoxysilane	SS mesh	99.5	70	[44]
Dopamine hydrochloride, n-dodecyl mercaptan, and Tris(hydroxymethyl) aminomethane hydrochloride	Copper mesh	90	4507	[45]
Choline chloride, ethylene glycol, stearic acid	Copper mesh	99.82	1725	[46]
1-(chloromethyl)- 4-ethenyl-benzene, N, N-dimethyl dodecylamine, SiO ₂ nanoparticles	SS mesh	99.8	15.65	[47]
Sodium sulfate anhydrous and copper chloride	Copper Mesh	90	4378	[48]
Hydrophobic SiO ₂ nanoparticles and thermoplastic acrylic.	SS mesh	99.5	–	[49]
Sodium hydroxide and copper (II) chloride dehydrate	SS mesh	99.0	–	[50]
Lignin-coated cellulose nanocrystal, Polydimethylsiloxanes Poly-vinylidene fluoride and 1 H,1 H,2 H,2 H-perfluorooctyltrichlorosilane	SS mesh	94.5	–	[51]
PS/OTS	SS mesh	97	1689.189	Present work

superhydrophobic mesh that is capable of separating oil and water combination in flowing mode was created.

3.3. Oil-water separation

The oil-water separation experiment was carried out by using a setup that was specifically constructed for oil-water separation. Fig. 6(a-e) depicts the experimental setup for the oil-water separation process, along with screen shots of the oil-water separation process. The use of gravity alone was sufficient to distinguish oil from water in a combination of oil and water, which suggests that oil and water may be separated with very little effort [41]. Before using superhydrophobic mesh for oil-water separation, one must examine the permeation flux and separation efficiency [42]. The oil flow was calculated by dividing the total volume of permeated oil (V) by the product of the effective area of the mesh (S) and time (T) necessary for oil permeation [43]. At atmospheric pressure and room temperature, the permeation flux of different kinds of oil-water mixtures was worked out. The viscosity of the oil has an effect on the permeation flux; low viscous oil, such as petrol, has demonstrated a permeation flux of 1689.189 L/(m²h), while high viscous oil, such as vegetable oil, has a permeation flux of 177.16 L/(m²h). Fig. 7(a) shows the value of permeation flux for

different viscosity of oil-water mixtures.

The separation efficiency (η) was estimated by comparing the volume of oil after (m) and before the separation of mixture [28]. The effectiveness of the separation efficiency for the different oil-water mixtures is shown in Fig. 7(b). The low viscosity oils penetrated rapidly through the mesh's porous structure and displayed separation efficiency greater than 97%. Over the course of more than 20 separation cycles, the superhydrophobic mesh maintained its effectiveness in the separation of these oils. Because of oil partly caught in the mesh, the separation efficiency of very viscous oils was less than 89%. As a result, the superhydrophobic mesh exhibited 8 separation cycles for high viscosity oil. Table 2 illustrates the comparison between present work and previous reported literature related to superhydrophobic/superoleophilic metal mesh.

3.4. Mechanical durability tests

In order to take an industrial approach, it is necessary to investigate the mechanical strength of superhydrophobic mesh. Recent research conducted by Varshney et al. [52] and Luo et al. [53] investigated the mechanical endurance of superhydrophobic mesh by bending, twisting, testing with adhesive tape, and abrasion testing with sandpaper. The

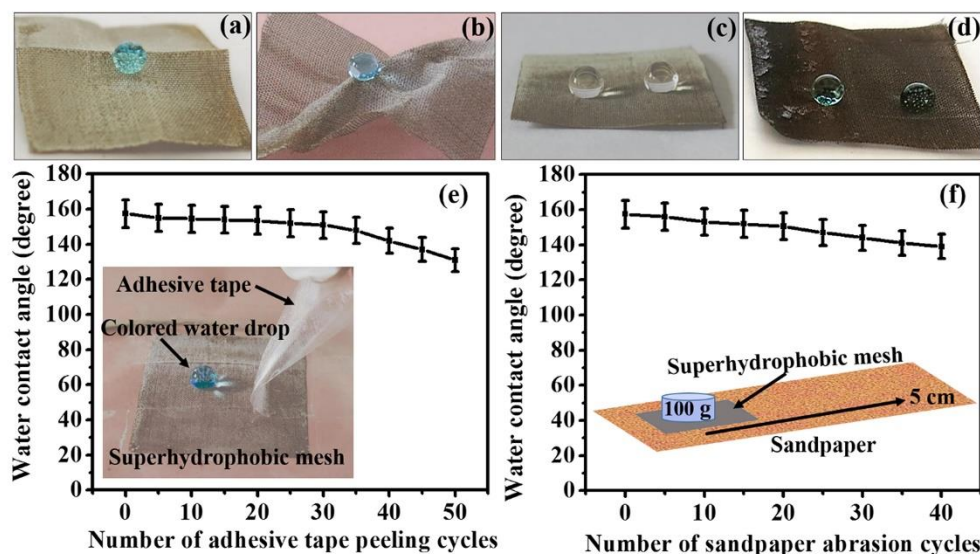


Fig. 8. Photographs of (a) folding, (b) twisting of OPS-2 mesh, (c) hot water drops on OPS-2 mesh, (d) photograph of OPS-2 mesh after heating, (e) variation of WCA with adhesive tape peeling cycles and in inset experiment setup of adhesive tape test, and (f) the results of sandpaper abrasion test and in inset schematic of sandpaper abrasion test.

degradation of WCA after mechanical durability testing was thoroughly investigated in this paper. It was discovered, after subjecting a superhydrophobic mesh to a variety of bending and twisting motions, that the superhydrophobicity of the mesh remained unchanged. The photographs of the superhydrophobic mesh being bent and twisted are shown in Fig. 8(a) and (b), respectively. For the purpose of the adhesive tape peeling test, tape was placed on superhydrophobic mesh (OPS-2) and then peeled off gradually (see inset of Fig. 8e). Immediately, the WCA was measured using a contact angle meter on the portion of the mesh that had been impacted by the tape. This tape peeling test was done multiple times until the superhydrophobicity subsided. The degradation of as a result of several tape peeling tests is seen in Fig. 8(e). During 20 cycles of adhesive tape testing, the superhydrophobicity of mesh was sustained with a WCA of $153.5 \pm 2^\circ$ and SA of $8 \pm 2^\circ$. As the number of tape peeling cycles continued to increase, the water drop that was stuck to the mesh may have been detached from the hydrophobic substance, resulting in the disappearance of the surface structure of the coating. The WCA reached to $131.5 \pm 2^\circ$ after 50 rounds of the tape peeling test.

The sandpaper abrasion process is shown schematically in the inset of Fig. 8(f). One cycle of sandpaper abrasion test is defined as 5 cm dragging of mesh on sandpaper, and WCA was measured at the affected

region of mesh after each cycle. The reduction in WCA value as a function of sandpaper abrasion cycles is seen in Fig. 8(f). Even after 20 cycles of sandpaper abrasion tests, the mesh still exhibited superhydrophobic characteristics with WCA of $150.5 \pm 2^\circ$ and SA of $7.5 \pm 2^\circ$, indicating that the superhydrophobic material was effectively attached to the mesh. The mesh lost its superhydrophobic ability as the sandpaper abrasion cycles increased, confirming that the hierarchical structure of the coated surface vanished. The mesh WCA was lowered to 139° after 40 abrasion cycles.

The WCA was evaluated after heating the mesh to assess its wetting behaviour. The WCA dropped with temperature, reaching $133.5 \pm 2^\circ$ when the heating temperature was raised to 200°C . The mesh exhibited a WCA of $152 \pm 2^\circ$ at 150°C heating, and the water drops on heated OPS-2 mesh are shown in Fig. 8(d). The thermal stability of the mesh was tested by dumping hot water at $97 \pm 2^\circ\text{C}$. As seen in Fig. 8(c), the hot water droplets had a spherical form on mesh. As a consequence, the produced coated mesh retains its superhydrophobic feature and separates hot water and oil combination.

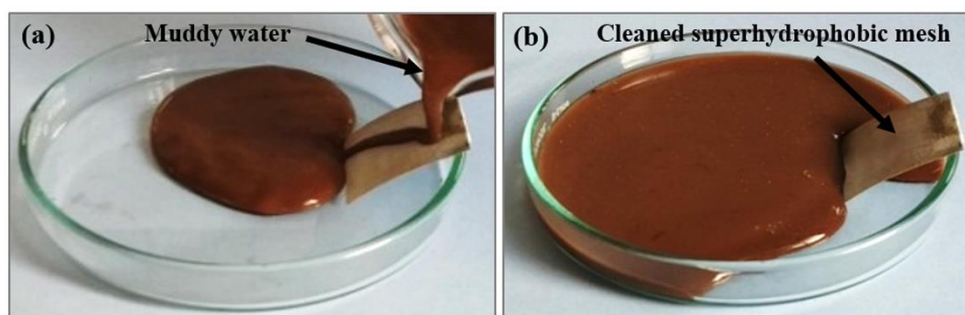


Fig. 9. Photographs of self-cleaning performance of OPS-2 mesh.

3.5. Self-cleaning performance

When used in an outdoor setting, accumulated dirt contamination, such as dust particles from the environment and sludge formed by the mixing of oil and water, may cause damage to the surface structure of the coating and lower its performance. The capacity of superhydrophobic coatings to clear themselves of dust particles without the need for additional pressures from the outside is one of the most remarkable characteristics of these coatings [54]. As a result, the dirt that has gathered on the superhydrophobic mesh that was created had amazing self-cleaning characteristics. The photographic evidence of the self-cleaning procedure may be seen in Fig. 9. Further the self-cleaning ability of superhydrophobic OPS-2 mesh was checked by dipping in the dispersion of ash in water. The OPS-2 mesh was immersed in prepared dispersion of ash and pulled out. There was no ash sludge seen adhered to the OPS-2 mesh as shown in Fig. S2. The water jet dropped onto the dispersed fine particles of wood charcoal on inclined superhydrophobic OPS-2 mesh. The water droplets roll in downward by collecting charcoal particles and left cleaned OPS-2 mesh as shown in Fig. S3. This proves that OPS-2 mesh revealed distinguished self-cleaning characteristics.

4. Conclusions

In conclusion, we have successfully fabricated superhydrophobic and superoleophilic SS mesh by depositing consecutive layers of polystyrene (PS) and octadecyltrichlorosilane (OTS) using an easy and inexpensive dip coating method. This allowed us to create a superhydrophobic and superoleophilic surface on the SS mesh. The WCA of $157.5 \pm 2^\circ$, the OCA of about 0° , and the rolling angle of $6 \pm 2^\circ$ were all attained by adjusting the concentration of OTS in successive layered deposition. The investigation with the SEM showed that there is a regular arrangement of microscale bumps and on its surface there are nanoscale folds, both of which promote superhydrophobicity. The capacity of coatings to separate oil and water was tested using a variety of mixtures of oil and water, such as petrol, diesel, kerosene, vegetable oil, and coconut oil. The experiment into oil-water separation indicated a separation efficiency of more than 97% and a permeation flux of $1689.189 \text{ L}/(\text{m}^2\text{h})$ for low viscosity oil. After being bent, twisted, and folded multiple times, as well as subjected to 20 cycles of tape peeling testing and 30 cycles of sand-paper abrasion testing, the superhydrophobic coated mesh demonstrated that it maintained its superhydrophobic property throughout the duration of the mechanical durability study. Additionally, the superhydrophobic mesh that was created demonstrated exceptional thermal stability and good self-cleaning capabilities. As a consequence of this, the superhydrophobic mesh is an excellent choice for implementation on a wide scale in the oil-water separation process.

CRedit authorship contribution statement

Rajaram S. Sutar: Conceptualization, Methodology, Investigation, Writing – original draft, Writing – review & editing, **Sanjay S. Latthe:** Supervision, Writing – review & editing, Visualization, **Nilam B. Gharge:** Methodology, **Pradip P. Gaikwad:** Methodology, Investigation, **Akshay R. Jundale:** Methodology, Investigation, **Sagar S. Ingole:** Methodology, Investigation, **Rutuja A. Ekunde:** Methodology, **Saravanan Nagappan:** Formal analysis, Writing – review & editing, **Kang Hyun Park:** Validation, Investigation, **Appasaheb K. Bhosale:** Validation, Formal analysis, Investigation, **Shanhu Liu:** Supervision.

Declaration of Competing Interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

Data availability

Data will be made available on request.

Acknowledgement

This work is financially supported by DST – INSPIRE Faculty Scheme, Department of Science and Technology (DST), Govt. of India. [DST/INSPIRE/04/2015/000281].

Appendix A. Supporting information

Supplementary data associated with this article can be found in the online version at doi:10.1016/j.colsurfa.2022.130561.

References

- [1] M.W. Lee, S. An, S.S. Latthe, C. Lee, S. Hong, S.S. Yoon, Electrospun polystyrene nanofiber membrane with superhydrophobicity and superoleophilicity for selective separation of water and low viscous oil, *ACS Appl. Mater. Interfaces* 5 (21) (2013) 10597–10604.
- [2] S. L. Liu, Q. Xu, S.S. Latthe, A.B. Gurav, R. Xing, Superhydrophobic/superoleophilic magnetic polyurethane sponge for oil/water separation, *Rsc Adv.* 5 (84) (2015) 68293–68298.
- [3] Y. Liu, K. Zhang, W. Yao, J. Liu, Z. Han, L. Ren, Bioinspired structured superhydrophobic and superoleophilic stainless steel mesh for efficient oil-water separation, *Colloids Surf. A: Physicochem. Eng. Asp.* 500 (2016) 54–63.
- [4] S. Nagappan, C.-S. Ha, Emerging trends in superhydrophobic surface based magnetic materials: fabrications and their potential applications, *J. Mater. Chem. A* 3 (7) (2015) 3224–3251.
- [5] S. Nagappan, J.J. Park, S.S. Park, W.K. Lee, C.S. Ha, Bio-inspired, multi-purpose and instant superhydrophobic-superoleophilic lotus leaf powder hybrid micro-nanocomposites for selective oil spill capture, *J. Mater. Chem. A* 1 (23) (2013) 6761–6769.
- [6] M. Bennett, R.A. Williams, Monitoring the operation of an oil/water separator using impedance tomography, *Miner. Eng.* 17 (5) (2004) 605–614.
- [7] B. Li, X. Liu, X. Zhang, J. Zou, W. Chai, J. Xu, Oil-absorbent polyurethane sponge coated with KH-570-modified graphene, *J. Appl. Polym. Sci.* 132 (2015) 16.
- [8] C.H. Peterson, S.D. Rice, J.W. Short, D. Esler, J.L. Bodkin, B.E. Ballachey, D. B. Irons, Long-term ecosystem response to the Exxon Valdez oil spill, *Science* 302 (5653) (2003) 2082–2086.
- [9] B. Chen, T. Wada, H. Yabu, Amphiphilic perforated honeycomb films for gravimetric liquid separation, *Adv. Mater. Interfaces* 9 (1) (2022), 2101954.
- [10] Y. Wei, H. Qi, X. Gong, S. Zhao, Specially wettable membranes for oil-water separation, *Adv. Mater. Interfaces* 5 (23) (2018), 1800576.
- [11] Y. Deng, C. Peng, M. Dai, D. Lin, I. Ali, S.S. Alhewairini, I. Naz, Recent development of super-wettable materials and their applications in oil-water separation, *J. Clean. Prod.* 266 (2020), 121624.
- [12] S.S. Latthe, R.S. Sutar, A.K. Bhosale, K.K. Sadasivuni, S. Liu, Superhydrophobic surfaces for oil-water separation, in: *Superhydrophobic Polymer Coatings*, Elsevier, 2019, pp. 339–356.
- [13] S. Rasouli, N. Rezaei, H. Hamed, S. Zendeheboudi, X. Duan, Superhydrophobic and superoleophilic membranes for oil-water separation application: a comprehensive review, *Mater. Des.* 204 (2021), 109599.
- [14] E.K. Sam, J. Liu, X. Lv, Surface engineering materials of superhydrophobic sponges for oil/water separation: a review, *Ind. Eng. Chem. Res.* 60 (6) (2021) 2353–2364.
- [15] Y. Liu, B. Zhan, K. Zhang, C. Kaya, T. Stegmaier, Z. Han, L. Ren, On-demand oil/water separation of 3D Fe foam by controllable wettability, *Chem. Eng. J.* 331 (2018) 278–289.
- [16] R. Liao, Z. Zuo, C. Guo, Y. Yuan, A. Zhuang, Fabrication of superhydrophobic surface on aluminum by continuous chemical etching and its anti-icing property, *Appl. Surf. Sci.* 317 (2014) 701–709.
- [17] C. Li, B. Lee, C. Wang, A. Bajpayee, L.D. Douglas, B.K. Phillips, L. Fang, Photopolymerized superhydrophobic hybrid coating enabled by dual-purpose tetrapodal ZnO for liquid/liquid separation, *Mater. Horiz.* 9 (1) (2022) 452–461.
- [18] H.S. Hwang, N.H. Kim, S.G. Lee, D.Y. Lee, K. Cho, I. Park, Facile fabrication of transparent superhydrophobic surfaces by spray deposition, *ACS Appl. Mater. Interfaces* 3 (7) (2011) 2179–2183.
- [19] W. Ma, Z. Jiang, T. Lu, R. Xiong, C. Huang, Lightweight, elastic and superhydrophobic multifunctional nanofibrous aerogel for self-cleaning, oil/water separation and pressure sensing, *Chem. Eng. J.* 430 (2022), 132989.

- [20] Y. Wan, M. Chen, W. Liu, X. Shen, Y. Min, Q. Xu, The research on preparation of superhydrophobic surfaces of pure copper by hydrothermal method and its corrosion resistance, *Electrochim. Acta* 270 (2018) 310–318.
- [21] H. Guo, J. Yang, T. Xu, W. Zhao, J. Zhang, Y. Zhu, L. Zhang, A robust cotton textile-based material for high-flux oil–water separation, *ACS Appl. Mater. Interfaces* 11 (14) (2019) 13704–13713.
- [22] Y. Xiu, D.W. Hess, C.P. Wong, UV and thermally stable superhydrophobic coatings from sol–gel processing, *J. Colloid Interface Sci.* 326 (2) (2008) 465–470.
- [23] Z. Xu, D. Jiang, Z. Wei, J. Chen, J. Jing, Fabrication of superhydrophobic nano-aluminum films on stainless steel meshes by electrophoretic deposition for oil–water separation, *Appl. Surf. Sci.* 427 (2018) 253–261.
- [24] X.Q. Cheng, Y. Jiao, Z. Sun, X. Yang, Z. Cheng, Q. Bai, L. Shao, Constructing scalable superhydrophobic membranes for ultrafast water–oil separation, *ACS nano* 15 (2) (2021) 3500–3508.
- [25] A.B. Radwan, A.M. Mohamed, A.M. Abdullah, M.A. Al-Maadeed, Corrosion protection of electrosprayed PVDF–ZnO superhydrophobic coating, *Surf. Coat. Technol.* 289 (2016) 136–143.
- [26] L. Zhang, H. Chen, J. Sun, J. Shen, Layer-by-layer deposition of poly (diallyldimethylammonium chloride) and sodium silicate multilayers on silica-sphere-coated substrate—facile method to prepare a superhydrophobic surface, *Chem. Mater.* 19 (4) (2007) 948–953.
- [27] S.S. Latthe, A.L. Demirel, Polystyrene/octadecyltrichlorosilane superhydrophobic coatings with hierarchical morphology, *Polym. Chem.* 4 (2) (2013) 246–249.
- [28] D. Liu, Y. Yu, X. Chen, Y. Zheng, Selective separation of oil and water with special wettability mesh membranes, *RSC Adv.* 7 (21) (2017) 12908–12915.
- [29] B. Zhou, B.H. Bashir, Y. Liu, B. Zhang, Facile construction and fabrication of a superhydrophobic copper mesh for ultraefficient oil/water separation, *Ind. Eng. Chem. Res.* 60 (22) (2021) 8139–8146.
- [30] K.Y. Eum, I. Phiri, J.W. Kim, W.S. Choi, J.M. Ko, H. Jung, Superhydrophobic and superoleophilic nickel foam for oil/water separation, *Korean J. Chem. Eng.* 36 (8) (2019) 1313–1320.
- [31] B. Pang, H. Liu, P. Liu, H. Zhang, G. Avramidis, L. Chen, K. Zhang, Robust, easy-cleaning superhydrophobic/superoleophilic copper meshes for oil/water separation under harsh conditions, *Adv. Mater. Interfaces* 6 (11) (2019), 1900158.
- [32] B. Sun, F. Zhang, M. Gao, S. Zhao, J. Wang, W. Zhang, J. Wang, Superhydrophilic stainless steel mesh for oil–water separation with long-term durability, impressive corrosion resistance, and abrasion resistance, *Adv. Eng. Mater.* 22 (8) (2020), 2000262.
- [33] X. Yue, D. Fu, T. Zhang, D. Yang, F. Qiu, Superhydrophobic stainless-steel mesh with excellent electrothermal properties for efficient separation of highly viscous water-in-crude oil emulsions, *Ind. Eng. Chem. Res.* 59 (40) (2020) 17918–17926.
- [34] J. Li, Z. Zhao, Y. Zhang, M. Li, Z. Luo, L. Luo, Facile fabrication of superhydrophobic SiO₂-coated mesh used for corrosive and hot water/oil separation, *J. Sol. -Gel Sci. Technol.* 82 (1) (2017) 299–307.
- [35] F. Liu, M. Ma, D. Zhang, Z. Gao, C. Wang, Fabrication of superhydrophobic/superoleophilic cotton for application in the field of water/oil separation, *Carbohydr. Polym.* 103 (2014) 480–487.
- [36] N. Lv, X. Wang, S. Peng, L. Luo, R. Zhou, Superhydrophobic/superoleophilic cotton-oil absorbent: preparation and its application in oil/water separation, *RSC Adv.* 8 (53) (2018) 30257–30264.
- [37] Q. Ke, Y. Jin, P. Jiang, J. Yu, Oil/water separation performances of superhydrophobic and superoleophilic sponges, *Langmuir* 30 (44) (2014) 13137–13142.
- [38] L. Liang, Y. Xue, Q. Wu, Y. Dong, X. Meng, Self-assembly modification of polyurethane sponge for application in oil/water separation, *RSC Adv.* 9 (69) (2019) 40378–40387.
- [39] Q. Ke, G. Li, Y. Liu, T. He, X.M. Li, Formation of superhydrophobic polymerized n-octadecylsiloxane nanosheets, *Langmuir* 26 (5) (2010) 3579–3584.
- [40] C. Ma, Y. Li, P. Nian, H. Liu, J. Qiu, X. Zhang, Fabrication of oriented metal-organic framework nanosheet membrane coated stainless steel meshes for highly efficient oil/water separation, *Sep. Purif. Technol.* 229 (2019), 115835.
- [41] H. Li, G. Zhu, Y. Shen, Z. Han, J. Zhang, J. Li, Robust superhydrophobic attapulgite meshes for effective separation of water-in-oil emulsions, *J. Colloid Interface Sci.* 557 (2019) 84–93.
- [42] J. Dai, L. Wang, Y. Wang, S. Tian, X. Tian, A. Xie, J. Pan, Robust nacrelite graphene oxide–calcium carbonate hybrid mesh with underwater superoleophobic property for highly efficient oil/water separation, *ACS Appl. Mater. Interfaces* 12 (4) (2020) 4482–4493.
- [43] S.S. Latthe, R.S. Sutar, T.B. Shinde, S.B. Pawar, T.M. Khot, A.K. Bhosale, S. Liu, Superhydrophobic leaf mesh decorated with SiO₂ nanoparticle–polystyrene nanocomposite for oil–water separation, *ACS Appl. Nano Mater.* 2 (2) (2019) 799–805.
- [44] Y. Jiang, C. Liu, Y. Li, A. Huang, Stainless-steel-net-supported superhydrophobic COF coating for oil/water separation, *J. Membr. Sci.* 587 (2019), 117177.
- [45] H. Cao, W. Gu, J. Fu, Y. Liu, S. Chen, Preparation of superhydrophobic/oleophilic copper mesh for oil–water separation, *Appl. Surf. Sci.* 412 (2017) 599–605.
- [46] Y. Hou, Z. Peng, J. Liang, S. Fu, Facile preparation of petaliform-like superhydrophobic meshes via moisture etching for oil–water separation, *Surf. Coat. Technol.* 399 (2020), 126124.
- [47] B. Jiang, H. Zhang, L. Zhang, Y. Sun, L. Xu, Z. Sun, H. Yang, Novel one-step, in situ thermal polymerization fabrication of robust superhydrophobic mesh for efficient oil/water separation, *Ind. Eng. Chem. Res.* 56 (41) (2017) 11817–11826.
- [48] H. Cao, J. Fu, Y. Liu, S. Chen, Facile design of superhydrophobic and superoleophilic copper mesh assisted by candle soot for oil water separation, *Colloids Surf. A: Physicochem. Eng. Asp.* 537 (2018) 294–302.
- [49] X. Zeng, S. Xu, P. Pi, J. Cheng, L. Wang, S. Wang, X. Wen, Polymer-infiltrated approach to produce robust and easy repairable superhydrophobic mesh for high-efficiency oil/water separation, *J. Mater. Sci.* 53 (14) (2018) 10554–10568.
- [50] X. Yin, Z. Wang, Y. Shen, P. Mu, G. Zhu, J. Li, Facile fabrication of superhydrophobic copper hydroxide coated mesh for effective separation of water-in-oil emulsions, *Sep. Purif. Technol.* 230 (2020), 115856.
- [51] J. Huang, M. Li, Y. Lu, C. Ren, S. Wang, Q. Wu, X. Liu, A facile preparation of superhydrophobic L-CNC-coated meshes for oil–water separation, *RSC Adv.* 11 (23) (2021) 13992–13999.
- [52] P. Varshney, D. Nanda, M. Satapathy, S.S. Mohapatra, A. Kumar, A facile modification of steel mesh for oil–water separation, *N. J. Chem.* 41 (15) (2017) 7463–7471.
- [53] Z. Luo, Y. Li, C. Duan, B. Wang, Fabrication of a superhydrophobic mesh based on PDMS/SiO₂ nanoparticles/PVDF microparticles/KH-550 by one-step dip-coating method, *RSC Adv.* 8 (29) (2018) 16251–16259.
- [54] A.M. Kokare, R.S. Sutar, S.G. Deshmukh, R. Xing, S. Liu, S.S. Latthe, ODS-modified TiO₂ nanoparticles for the preparation of self-cleaning superhydrophobic coating, in *AIP Conference Proceedings*, AIP Publishing LLC., 2018.