

## Report of Linkage between Prof. S. P. Deshmukh, Dr. SA Vanalakar and

**Dr. S. M Patil**

A linkage is established between Prof. S. P. Deshmukh, Department of Chemistry, D. B. F. Dayanand College of Arts and Science, Solapur and Dr. SA Vanalakar, Department of Physics, Shivaji University, Kolhapur, 416 004 MS, India, S. M Patil, Karmaveer Hire Arts, Science, Commerce and Education College, Gargoti, Kolhapur, 416 209 MS, India to conduct collaborative research and subsequent publications. The linkage was established in 2013 and the outcome of linkage in the form of research paper was published in *Materials Science and Engineering: B* 2022.

During the collaboration we have carried out a joint work on synthesis strategy of metal oxide and gas sensing properties of the cadmium sulfide thin films. During our collaboration we carried out catalytic activity of nanocomposites. We have fruitful discussions on the various characterization studies also. The paper entitled "Chemical and gas sensing property tuning of cadmium sulfide thin films." published in the journal "Materials Science and Engineering: B 2022" having 3.6 impact factor is an outcome of this linkage.

The publication details are:

"Chemical and gas sensing property tuning of cadmium sulfide thin films."

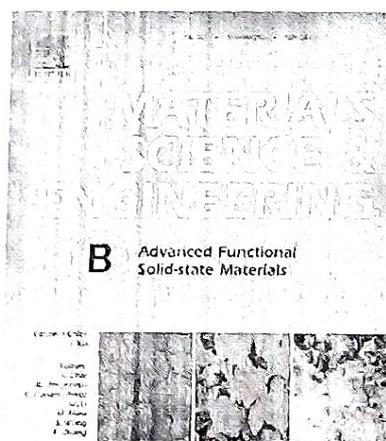
published in the journal "Materials Science and Engineering: B 2022 Volume 282 Pages 115787"

SA Vanalakar, VL Patil, SM Patil, SP Deshmukh, PS Patil, JH Kim

Website Link: <https://www.sciencedirect.com/science/article/abs/pii/S0921510722001817>

Received 27 August 2021; Accepted 18 May 2022

**Prof. Dr. S. P. Deshmukh**



## Report of Linkage between Prof. S. P. Deshmukh and Prof. Sagar D. Delekar

A linkage is established between Dr. S. P. Deshmukh, Department of Chemistry, D. B. F. Dayanand College of Arts and Science, Solapur and Dr. Sagar D. Delekar, Department of Chemistry, Shivaji University, Kolhapur, 416 004 MS, India to conduct collaborative research and subsequent publications. The linkage was established in 2013 and the outcome of linkage in the form of research book chapter was published.

During the collaboration we have carried out a joint work on writing book chapter. During our collaboration we carried out antibacterial activity literature survey of nanocomposites. We have fruitful discussions on the various studies also. The paper entitled "Metal Oxide Nanocomposites: Design and Use in Antimicrobial Coatings (Book: Advances in Metal Oxides and Their Composites for Emerging Applications) published in the Elsevier publications 1st August 2022." is an outcome of this linkage.

The publication details are:

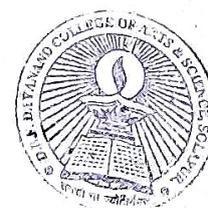
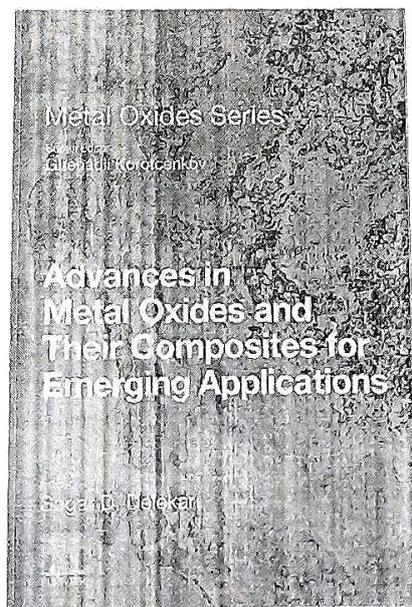
Metal Oxide Nanocomposites: Design and Use in Antimicrobial Coatings (Book: Advances in Metal Oxides and Their Composites for Emerging Applications)

Vijay S. Ghodake, Shamkumar P. Deshmukh, Sagar D. Delekar

Website Link: <https://www.sciencedirect.com/science/article/abs/pii/B9780323857055000117>

Available online 2 September 2022, Version of Record 2 September 2022.

**Prof. Dr. S. P. Deshmukh**



## Report of Linkage between Prof. S. P. Deshmukh and Dr. Krishna K. Pawar

A linkage is established between Dr. S. P. Deshmukh, Department of Chemistry, D. B. F. Dayanand College of Arts and Science, Solapur and Dr. Krishna K. Pawar, School of Nanoscience and Technology, Shivaji University, Kolhapur, 416 004 MS, India to conduct collaborative research and subsequent publications. The linkage was established in 2019 and the outcome of linkage in the form of research book chapter was published.

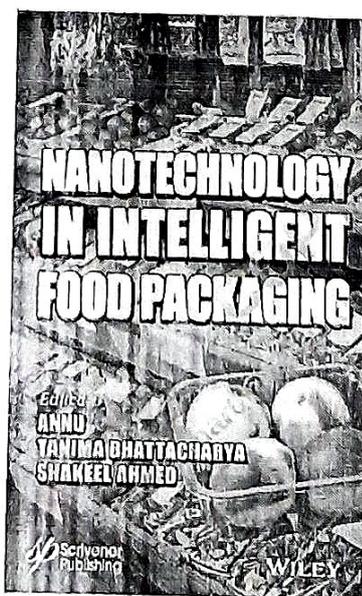
During the collaboration we have carried out a joint work on writing book chapter. During our collaboration we carried out antibacterial activity in the food packaging with literature survey of nanocomposites. We have fruitful discussions on the various studies also. The paper entitled "Incorporation of Nanocarriers as Antimicrobial Agents in the Food Packaging (Book nanotechnology in intelligent food packaging) published in the Wiley publications 2022, in the journal of *Nanotechnology in Intelligent Food Packaging* is an outcome of this linkage.

The publication details are:

Incorporation of Nanocarriers as Antimicrobial Agents in the Food Packaging (Book nanotechnology in intelligent food packaging) published in the Wiley publications 2022 pages 203-234 Book Editor(s): Annu, Tanima Bhattacharya, Shakeel Ahmed.

Shamkumar P Deshmukh, Krishna K Pawar, Dattatray K Dalavi Website Link:  
<https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119819011.ch9>  
First published: 06 July 2022

Prof. Dr. S. P. Deshmukh



## Report of Linkage between Prof. S. P. Deshmukh and Dr. SA Vanalakar and Dr. S.M. Patil

A linkage is established between Dr. S. P. Deshmukh, Department of Chemistry, D. B. F. Dayanand College of Arts and Science, Solapur and Dr. SA Vanalakar, Department of Physics, S. M Patil, Department of Chemistry Karmaveer Hire Arts, Science, Commerce and Education College, Gargoti, Kolhapur, 416 209 MS, India to conduct collaborative research and subsequent publications. The linkage was established in 2013 and the outcome of linkage in the form of research book chapter was published.

During the collaboration we have carried out a joint work on Chalcogenide and their preparation method and sensor applications. During our collaboration we carried out literature review of the chalcogenides of nanocomposites. The book chapter entitled "Gas Sensors Based on Chalcogenides (Book: Smart Nanostructure Materials and Sensor Technology) published in the Springer Nature Singapore." is an outcome of this linkage.

The publication details are:

"Gas Sensors Based on Chalcogenides"

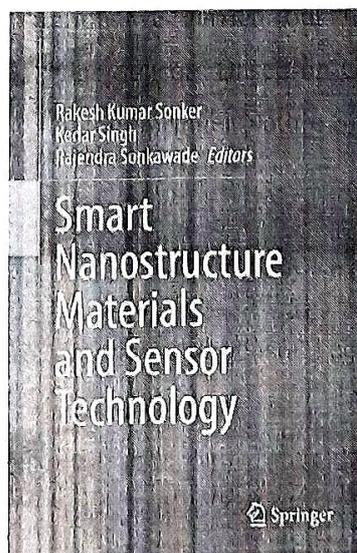
published in the Book: Smart Nanostructure Materials and Sensor Technology) published in the Springer Nature Singapore pages 201-223.

Sharadrao A Vanalakar, Shamkumar P Deshmukh, Satish M Patil

Website Link: [https://link.springer.com/chapter/10.1007/978-981-19-2685-3\\_10](https://link.springer.com/chapter/10.1007/978-981-19-2685-3_10)

First Online: 25 August 2022

**Prof. Dr. S. P. Deshmukh**





Akkalkot Education Society's (Estd. 1970)

C. B. Khedgi's Basaveshwar Science,

R.V. Commerce & R.J. Arts College, Akkalkot, 413216 Dist. Solapur. (Maharashtra) India  
Kannada Linguistic Minority (No. 02082022 TRU 10 208)

Affiliated to Solapur University, Solapur. NAAC ACCREDITATION B'(2.74) SUS 'A'(74.33%)

अकलकोट एज्युकेशन सोसायटी, अकलकोट संघलित (स्थापना १९७०)

सी.बी. खेडगीजु बसवेश्वर सायन्स,

राजा विजयसिंह कॉमर्स आणि राजा जयसिंह आर्ट्स कॉलेज, अकलकोट, ४१३२१६, जि. सोलापूर. (महाराष्ट्र) भारत

पुण्यासोबत आहिल्यादेवी होळकर सोलापूर विद्यापीठ, सोलापूर संलग्नित

बँक मानांकन ३ साधकत धी++ (सीजीपीए २.८०) पीएचएचएचएच 'एचए' ए (७४.३३%)

Web site : <http://www.khedgicollege.org>

E-mail : [cbkcollege@gmail.com](mailto:cbkcollege@gmail.com)

Ref. No. **AKT/CBK/Invitation letter/22-23/ 74-2 (A)**

Date : 18/01/2023

## Invitation Letter

To,

Dr. S. Y. Jadhav

Professor, Department of Chemistry,

D.B.F. Dayanand College of Arts

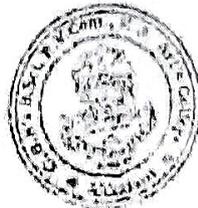
& Science, Solapur.

**Subject:** Regarding invitation for a special lecture on "Spectroscopic Methods"

Respected Sir,

The Department of Chemistry has been organized a special lecture on 19/01/2023 at 12:00 pm. So I have pleasure to invite you to as a resource person for the said function. Kindly accept our invitation and deliver lecture on the topic of "Spectroscopic Methods" to our students.

Thanking you.



Yours faithfully

**Principal**  
(Additional Charge)

C.B.K's B.Sc., R.V.Com. & R.J.Arts College  
Akkalkot, Dist. Solapur



Autonomous Education Institute (Since 1970)  
C. B. Khedgi's Basaveshwar Science,  
R.V. Commerce & R.J. Arts College, Akkalkot, 413218 Dist. Solapur (Maharashtra), India  
Kannada Linguistic Minority (No. 020802022 THU 10 204)  
Affiliated to Solapur University, Solapur. NAAC ACCREDITATION B (274) SUS B (74.31%)  
अखिल भारतीय शैक्षणिक संस्थान, अखिल भारतीय (स्थापित 1970)  
डी.बी. खेडगी इन्वेष्वर शास्त्रालय,  
राज्य विद्यापीठ संघात अन्तर्गत राज्य शासनाचे अखिल भारतीय शैक्षणिक, अखिल भारतीय 274/16, वि. सोलापूर (महाराष्ट्र) भारत  
पुणेमध्ये अखिल भारतीय शैक्षणिक संस्थान सोलापूर विद्यापीठ, सोलापूर अन्तर्गत  
वि. संस्थान 274/16 (श्री-श्री) विद्यापीठ संघात 'स' 2 (स. 173)  
Web site : <http://www.khedgicollege.org> E-mail : [cbkcollege@gmail.com](mailto:cbkcollege@gmail.com)

Ref. No. AKT/CBK/Thanks letter/22-23

Date : 20/01/2023

### Thanks Letter

To,  
Dr. S. Y. Jadhav  
Professor, Department of Chemistry,  
D.B.F. Dayanand College of Arts  
& Science, Solapur.

Respected Sir,

I am very thankful to you for sparing your valuable time with us and guiding our students on comprehending a special lecture on 'Spectroscopic Methods' on 19.01.2023.

Thanking you for being with us regards.

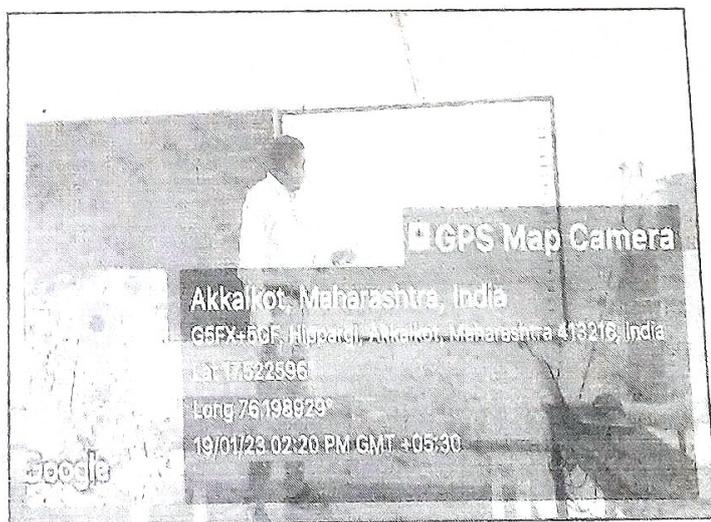
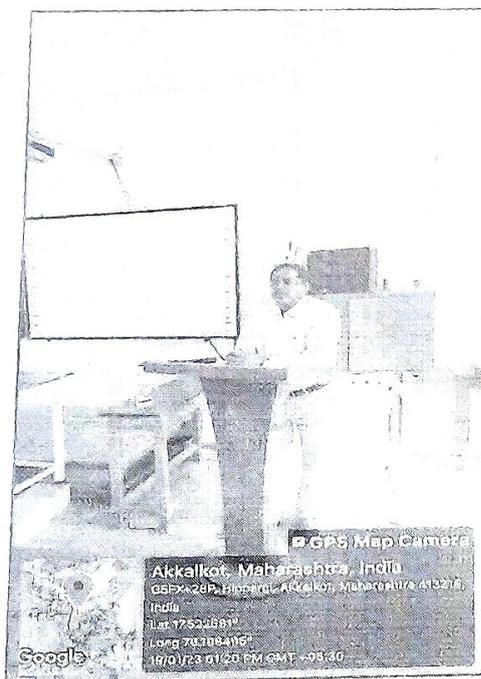
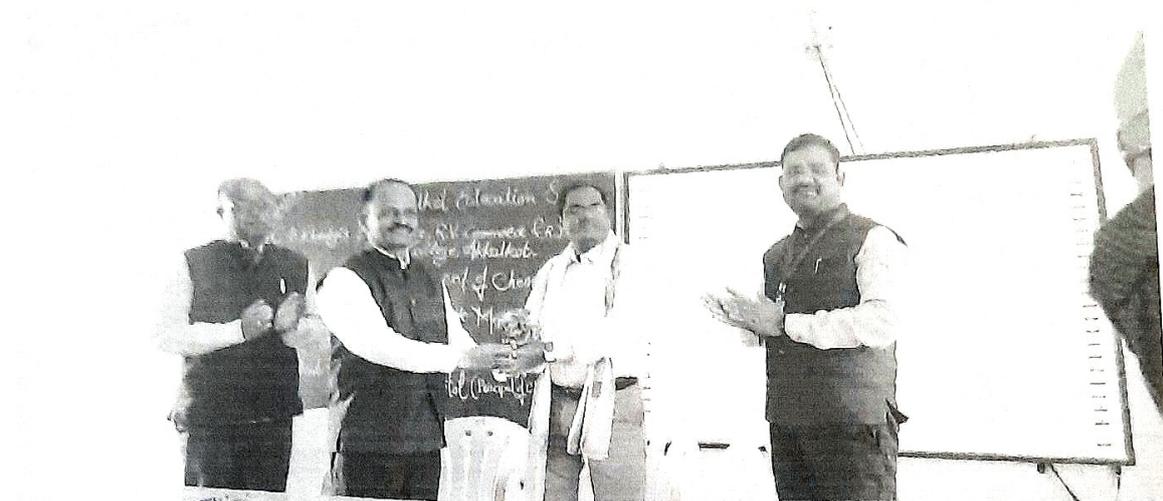
Yours faithfully



  
Principal  
(Additional Charge)  
C.B.K's B.Sci., R.V.Com. & R.J.Arts College  
Akkalkot, Dist. Solapur



**Prof. S Y Jadhav delivering a special lecture on "Spectroscopic Methods" at  
CBK College, Akkalkot on 19/01/2023**





Rayat Shikshan Sanstha's,  
**KARMAVEER BHAURAO PATIL  
MAHAVIDYALAYA, PANDHARPUR**  
(AUTONOMOUS)



Affiliated to Panyashlok Ahilyadevi Holkar Solapur University, Solapur

Karmaveer Path, PANDHARPUR - 413304, Dist. Solapur (MAH)

Office : (02186) 223104 \* E-mail : kbppandharpur@gmail.com \* Website : www.kbpmPandharpur.in

Founder : Padmabhushan Dr. Karmaveer Bhaurao Patil, DLit

Jr. College Index No. : 12409/201  
U.G.C. No. : 21/594/1981

NAAC Grade  
'A+' With J.S.I C.G.R.A.  
(Since 2017)

DST FIST Scheme  
Government of India  
(Since 2013)

Best College Award  
P. A. H. Solapur University, Solapur and  
Rayat Shikshan Sanstha, Solapur  
(2019)

U.G.C.  
C.P.E. Status  
(2017-18)

U.G.C.  
PARAMARSHI Scheme  
(2019-20)

Ref. No. 6132/22-23 Date: 27/03/2023

Prin. Dr. C. J. Khilare M.Sc., M.Phil., Ph.D.

To,  
Prof. Dr. S. R. Deshmukh,  
D. B. F. Dayanand College,  
Solapur.

Subject: Invitation as Resource Person for Mentoring of Students by faculty and Industry Expert Program.

Respected Sir,

It is matter of privilege that the Department of Chemistry of our college is organizing an event on "Mentoring of Students by faculty and Industry Experts" on 28<sup>th</sup> March 2023 at Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur (Autonomous) Dist. - Solapur Maharashtra, India.

Here, I request you to cordially accept our invitation for interaction with students as Resource Person for the same and oblige.

Thanking you,

Yours Sincerely,

  
Principal

Karmaveer Bhaurao Patil Mahavidyalaya,  
Pandharpur (Autonomous)





Rajyat Shikshani Samithi's,  
**KARMAVEER BHAURAO PATIL  
MAHAVIDYALAYA, PANDHARPUR**  
(AUTONOMOUS)



Affiliated to Purnyashlok Ahilyadevi Holkar Solapur University, Solapur  
Karmaveer Path, PANDHARPUR - 413304, Dist. Solapur (MAH)

Office : (02186) 223104 \* E-mail : kbppandharpur@gmail.com \* Website : www.kbpmPandharpur.in

Founder : Padmabhushan Dr. Karmaveer Bhaurao Patil, 1919

NAAC Grade  
A+ With 3.51 C.G.P.A.  
(Since 2017)

DST FIST Scheme  
Government of India  
(Since 2013)

Best College Award  
P.A.H. College Trust, Solapur  
Royal Shiksha Bhawan, Solapur  
(2019)

U.C.C.  
C.F.E. Status  
(2017-18)

U.C.C.  
PARAJANITA Scheme  
(2019-20)

Ref. No. 6132/22-23

Date: 27/03/2023

Prin. Dr. C. J. Khibre M.A., M.P.Ed, Ph.D

To,  
Prof. Dr. S. H. Deshmukh,  
D. B. F. Dayanand College,  
Solapur,

Subject: Letter of Gratitude

Respected Sir,

We are very thankful to you for being present as resource person and spend your valuable time for our program entitled "Mentoring of Students by faculty and Industry Experts". Your talk will enlighten the knowledge of PG students. I assure that your overall speech will be very fruitful to all the beneficiaries.

I hope you will support us in upcoming events.

Thanking you,

Yours Sincerely,



*K. J. Khibre*  
Principal  
Karmaveer Bhaurao Patil Mahavidyalaya,  
Pandharpur (Autonomous)





Rayat Shikshan Sanstha's

# Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur (Autonomous)



Accredited "A" with COPA 3.81 by NAAC • CPE Status and PARAMARSH by UGC, New Delhi • RUSA



## Invitation

Dear students, We invite you to join us, as we are organizing an interactive session on Various Analytical Skills and Opportunities in Pharmaceutical and Chemical Industries on Tuesday, 28<sup>th</sup> March 2023. Academicians and Industry Experts concern in above subjects are invited for the session. Academicians and Industry experts are going to interact with the students.

## Organizing Committee

**Prof. R. J. Kavade**  
Convener

**Dr. A. U. Chopade**  
Coordinator

**Dr. B. S. Londhe**  
Member

**Dr. N. D. Desai**  
Member

**Dr. J. B. Gujar**  
Member

**Mr. V. U. Kumbhar**  
Member

**Mr. S. R. Lamkane**  
Member

**Mr. A. S. Kadam**  
Member

**Mr. S. M. Bansode**  
Member

**Mr. H. M. Galande**  
Member

**Mr. A. V. Pore**  
Member

**Ms. J. A. Kate**  
Member

**Ms. D. D. Mangalwedekar**  
Member

## Date and Time

28<sup>th</sup> March 2023  
10.00 am onwards

## Venue

Rayatmauli Laxmibai Bhaurao  
Patil Auditorium

## One Day Programme on "Mentoring of Students by Faculty and Industry Experts"

Under the aegis of RUSA Component - B

Organized by

Department of Chemistry

### Event Objectives :

- Make students aware about industry needs.
- Make a common platform for interaction of students with Academicians and Industry experts.

### Target Audience :

- PG Students of Chemistry.

### Program Schedule

- Registration : 9.30 am to 10.00 am
- Inaugural Function : 10.00 am To 10.30 am

President : Prin. Dr. Chandrakant J. Khilare

**Session I : 10.30 am To 11.30 am**

Academician : **Prof. Dr. S. H. Deshmukh**  
Department of Chemistry,  
D.B.F. Dayanand College, Solapur

**Session II : 11.30 am To 12.30 pm**

Academician : **Dr. Makarand A. Kulkarni**  
Instrumentation Center,  
P.A.H. Solapur University, Solapur

**Session III : 12.30 pm To 1.30 pm**

Industry Expert : **Dr. Nagendra Kondekar**  
Director, VIKALP Chemtech Pvt. Ltd.  
Mohol, Solapur

**Lunch Break : 1.30 pm To 2.00 pm**

2.00 pm To 3.30 pm

**Interaction of students with Academician and  
Industry Experts**

■ Regards ■

**Dr. Chandrakant J. Khilare**  
Principal, K.B.P. Mahavidyalaya, Pandharpur





GPS Map Camera

Pandharpur, Maharashtra, India

MBH8+PVM, Gokul Nagar, Tarapur, Pandharpur,

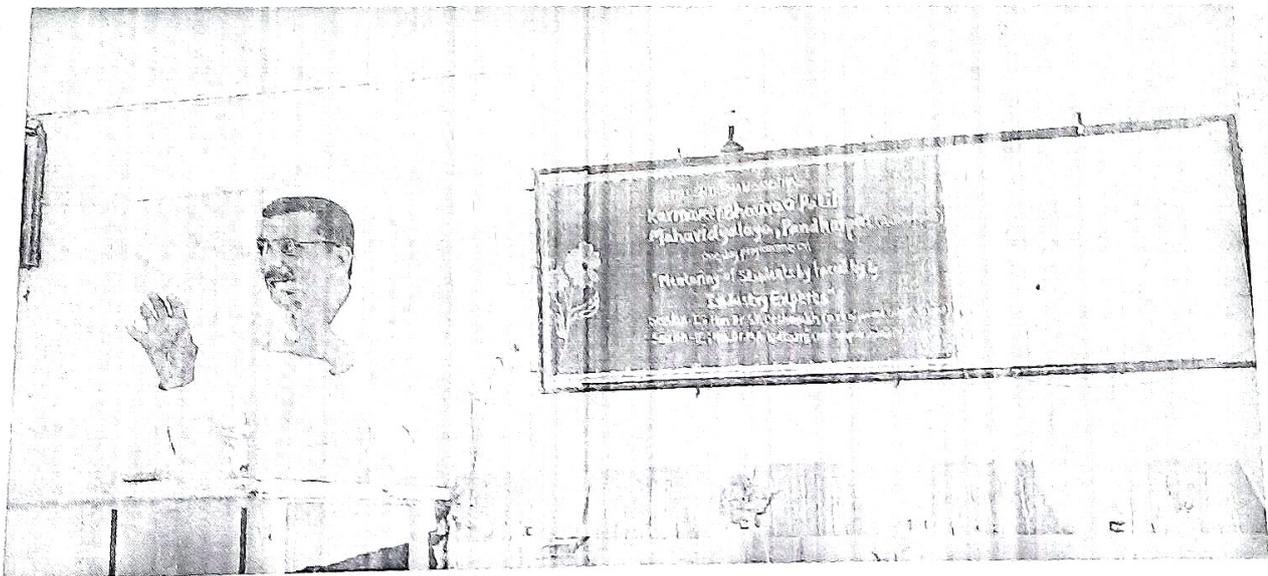
Maharashtra 413304, India

Lat 17.679123°

Long 75.317137°

28/03/23 11:54 AM GMT +05:30

Google



Academic year	2022-23
1. Basic details	
Name of Activity	Mentoring Student by faculty and industry expert
Date	28 March 2023
Faculty	Science
Organized by Name of Department/ Name of Committee	Department of Chemistry KBP College, Pandharpur
Coordinator/ In-charge of Activity	Head chemistry
Resource person	Prof. S. P. Deshmukh
Time	10.30-12.30 pm
Venue	Department of Chemistry KBP College, Pandharpur
Activity for Class/Group	M. Sc. Chemistry
Beneficiary number	25
Nature: Academic /Co- curricular/extracurricular/Environmental/ Social/other	Mentoring Student by faculty and industry expert
Topic /Subject of activity	Flouring youth
Objectives of the activity	Interaction
Methodology	Offline mode
Outcome of Activity	Learn path toward industry and youth are flourished
3. Proofs attached	
Photographs and signature sheet etc.	



Estd. - June 2005



DAKSHIN SOLAPUR TALUKA SHIKSHANMANDAL'S

**V. G. Shivdare College of  
Arts, Commerce and Science, Solapur**  
(Kannada Linguistic Minority Institute)

(Affiliated to P. A. H. Solapur University)

Jule Solapur-1, Vijapur Road, Solapur - 413004 Maharashtra

Visit us at : [www.vgshivdarecollege.com](http://www.vgshivdarecollege.com)

e-mail : [vgshikshana@rediffmail.com](mailto:vgshikshana@rediffmail.com) / [vgprincipal@sus.ac.in](mailto:vgprincipal@sus.ac.in)

Phone : 0217-2303411

Fax : 0217-2341380

Late Shri. V. G. Shivdare  
EN. M. L. A.  
FOUNDER

Shri. R. V. Shivdare  
PRESIDENT

Shri. I. R. Hatture  
SECRETARY

Dr. D. S. Sutraye  
PRINCIPAL

Ref. No. : VGS/591/2022-23

Date :- 08/02/2023

प्रति,  
भा. प्रा. डॉ. बी. एच. दामजी,  
प्र. प्राचार्य,  
डी. बी. एफ. दयानंद कॉलेज ऑफ आर्ट्स अँड सायन्स,  
सोलापूर.

विषय: निमंत्रणावाचत...

महोदय,

आमच्या महाविद्यालयात अर्थशास्त्र व वाणिज्य विभागाच्यावतीने आंतरविभागीय उपक्रम अंतर्गत शुक्रवार, दिनांक १० फेब्रुवारी २०२३ रोजी सकाळी १०:३० वाजता सेमिनार हॉलमध्ये "Effect of Budget २०२३" या विषयावर व्याख्यान आयोजित केले, तरी आपण या कार्यक्रमास प्रमुख व्याख्याते म्हणून उपस्थित राहून आमच्या विद्यार्थ्यांना आपले बहुमोल मार्गदर्शन देऊन सहकार्य करावे ही विनंती.

कळावे,



आपला विश्वासू,

Feb/23  
(डॉ. डी. एस. सुत्रावे)  
प्राचार्य



Estd - June 2005



DAKSHIN SOLAPUR TALUKA SHIRSHANMANDAL'S

**V. G. Shivdare College of  
Arts, Commerce and Science, Solapur**  
(Kannada Linguistic Minority Institute)

(Affiliated to P. A. H. Solapur University)

Jule Solapur-1, Vijapur Road, Solapur - 413004 Maharashtra

Visit us at [www.vgshivdarecollege.com](http://www.vgshivdarecollege.com)

e-mail [vgshirshantech@rediffmail.com](mailto:vgshirshantech@rediffmail.com) / [vgshirshantech@pau.ac.in](mailto:vgshirshantech@pau.ac.in)

Phone :0217-2303411

Fax : 0217- 2341300

Late Shri. V. G. Shivdare

FOUNDER

Shri. R. V. Shivdare

PRESIDENT

Shri. I. R. Hatture

SECRETARY

Dr. D. S. Sutave

PRINCIPAL

Ref. No. : VGS/594/2022-23

Date :- 10/02/2023

प्रति,

भा. प्रा. डॉ. बी. एच. रामजी,

प्र. प्राचार्य,

डी. बी. एफ. दयानंद कॉलेज ऑफ आर्ट्स अँड सायन्स,  
सोलापूर.

विषय: आभार पत्र ...

महोदय,

आमच्या महाविद्यालयात अर्थशास्त्र व वाणिज्य विभागाच्यावतीने आंतरविभागीय उपक्रम अंतर्गत शुक्रवार, दिनांक १० फेब्रुवारी २०२३ रोजी सकाळी १०:३० वाजता सेमिनार हॉलमध्ये "Effect of Budget २०२३" या विषयावर व्याख्यानास आपण उपस्थित राहून आपले मोलाचे मार्गदर्शन केल्याबद्दल आम्ही आपले आभारी आहोत, यापुढेही अशीच सहकार्याची अपेक्षा आहे.

धन्यवाद!



आपला विश्वासू,

(डॉ. डी. एस. सुत्रावे)  
प्राचार्य



# D.B.F. DAYANAND COLLEGE OF ARTS & SCIENCE, SOLAPUR

## Faculty Exchange (Prof. B. H. Damji)

Prof. B. H. Damji delivered a Special Lecture on Effects of Union Budget on 10/02/2023 at V.G. Shivdare college, Solapur.

